

CURRICULUM VITAE as at November 2020

Name

Professor Eur Ing Derek J Clements-Croome

Telephone: +44(0)7711705456

E-mail: d.j.clements-croome@reading.ac.uk

Web: www.derekcroome.com

Education

BSc Physics, Aston University, 1964

MSc Vibrational Physics, Imperial College, 1966

PhD Building Environmental Engineering, Loughborough University, 1978

Qualifications

BSc., MSc., PhD., DSc Honoris Causa (Debrecen University) CEng., CPhys., FICE., FCIBSE., FRSA., FASHRAE., F.Inst.P., Eur.Ing

AWARDS and HONOURS

Book *Designing Buildings for People* shorted listed for CIBSE Building Performance Prize

Visiting Professor at Queen Mary University London 2017--2020

Commissioner on air quality for London Borough of Hammersmith and Fulham 2015—17 and for Biodiversity 2017-19

Commissioner for Borough of Haringey Zero-Fifty Commission 2015—17

Elected Fellow Royal Society of Medicine 2016

DSc Honoris Causa Debrecen University 2013

Judges' Special Award, Building Controls Industry Awards, 2009

Vice President of CIBSE (May 2007 - 2009)

Chairman, Rumford Club, (October 2008 - 2009)

President of National Conference of University Professors (2005- 2008);

Appointed Member of Taiwan Government Science and Technology Advisory Group (2005 - 2007)

Commissioner for Ministry of Construction, Beijing and Member of Editorial Board for Proceedings for *Annual Conference on Green and Energy Efficient Building and New Technologies and Products* held from March 2004 onwards

Awarded Silver Medal by Chartered Institution of Building Services Engineers, May 2005 (Bronze

Medal 1971).

Appointed UK Ambassador for Clima 2000, 7th World Congress in Naples, September 2001.

Appointed Honorary President of *Intelligent Building Systems Congress*, at Krakow University, April 9-10, 2001, May 13-14, 2002, May 20-21, 2004, June 1-2 2006, June 2008, October 2009, 2012

Awarded Lifetime Membership of the International Academy of Indoor Air Sciences in 2000.

Awarded Fellowship of the American Society of Heating, Refrigeration and Airconditioning Engineers in 1997.

Granted Freedom of the City of London 1996. Liveryman Worshipful Company of Musicians 2005

Ove Arup Partnership Award for contribution to the development of the Building Services Engineering Design and Management undergraduate course concerning creativity for the Built Environment (£4,500) 6 December 1993.

Northcroft Silver medallist of the Institute of Hospital Engineering (1990)

Bath University Medal October 17th 2012 for my education work on integrated building design.

Bronze medallist of the Chartered Institution of Building Services Engineers (1970).

Appointments

Member of Research Reviewers for Government Research in New Zealand 2017-

Research Project Reviewer for EPSRC in UK 2000-

Coordinator for CIB Commission W098 Intelligent and Responsive Buildings 1996-

Building Environment Expert (BEE network) for CABE arm of Design Council (2015-2020)

Air Quality Commissioner for Hammersmith and Fulham (2015---2018)

Biodiversity Commissioner for Hammersmith and Fulham (2017-2019)

Panel member for Regeneration Task Group for Haringey (2016-2017)

World Green Building Council Team for the WGBC Report on *Health, Wellbeing and Productivity for Offices 2014*

UK-Green Building Council 2015—2016, Member of *Health and Wellbeing in Homes* Task Group

Founder and Chairman CIBSE Intelligent Buildings Group (2006--)

Chair CIBSE Natural Ventilation Group 1993-2012

British Council for Offices BCO Executive Board (2003-2009), Technical Affairs Committee (2010-), Research Committee (2011-), Environmental Sustainability Group (2012-)

Editor in Chief/Founder of *Intelligent Buildings International Journal* (Earthscan 2006 –then Taylor and Francis 2012 onwards).

Appointed Honorary Visiting Professor, AGH University of Science and Technology, Faculty of Management, Poland acting as Honorary International President for International Conferences on Intelligent Buildings in 2007, 2009, 2012 and 2015 led by Professor J Mikulik

Director of Intelligent Buildings Research Group at Reading University (2005-2012)

Emeritus Professor (2008-), Professor of Architectural Engineering, School for the Built Environment, University of Reading (1988- 2008) and Director of Research (2002- 2007)

Honorary Visiting Professor at Chinese Universities:

Xian University of Architecture and Technology (2007, 2015)

Polytechnic University Hong Kong (2006-2018)

Shenyang Ligong University, 2002.

Shenyang Jianzhu University, 2002.

Benxi University in 2002

Tianjin University, 2000

Harbin University 2006

Chongqing University, 1994, 2015

Ningbo University 2015

UK

London South Bank University (2012-2016)

Previous Employment

1978-88 Senior Lecturer/Reader, School of Architecture and Building Engineering, Bath University.

1967-78 Lecturer/Senior Lecturer, Department of Ergonomics and Cybernetics then Department of Civil Engineering, Loughborough University.

1966-67 Research Fellow, Institute of Sound and Vibration, Southampton University.

1955-66 Brightside Heating and Engineering Co Limited, Birmingham, Trainee Engineer (1955-60); Research and Development Officer (1960-66).

MANAGEMENT

Director of Intelligent Buildings Research Group (2005 -2012) and Research for School of Construction Management and Engineering (2002- 2007). Since 1988 I raised over £3.0m from industry, Government and EC for research and education initiatives (over £176,000 per year). The management of the resources (staff and equipment) and financial control of this money given in covenants from industry, grants from Government and the EU has been my responsibility.

Director (1996-2008) and Founder of IGDS *MSc Course in Intelligent Buildings* funded by EPSRC in 1997 for 5 years.

Other management responsibilities included CIBSE Natural Ventilation Group 1992-2014; CIBSE Whole Life Performance Task Group 2000-2009; CIBSE Intelligent Buildings Group. Past Chairman of CIBSE Education and Learning Group; Management Board for European Intelligent Building Group; Electrobiocompatibility Association; President of National Council of Professors of Building Engineering and Management (national body); founder in 1990 of the Thames Valley Centre for the Built Environment in Construction now the South East Centre for the Built Environment (SECBE). Participated in academic and financial planning of University via membership of Senate; Council; the Faculty Board and as Director of Research and member of Faculty of Sciences and Life Science Research Board.

Chair of Research Committee for School of Construction Management & Engineering (2002- 2007).

Chairman and Director of Building Environmental Engineering Design and Management Undergraduate course (1988-2000).

Chairman of Board of Studies for Postgraduate Courses in Construction Management and Engineering (1994-2000).

Principal Investigator for several EPSRC / DTI Industry funded projects.

TEACHING

Planned and created new Undergraduate and Postgraduate courses in Building Environmental Engineering at Loughborough University (1970) and Reading University (1989); new MSc course on Intelligent Buildings (1996). Proposal for Engineering Doctorate submitted to Director of Teaching and Learning (D. Stirling) in March 2006 and approved by Senate in July 2006 (with Professor Kecheng Liu and Dr Hazim Awbi) and awarded £6.5m..

Present work is concerned with improving the quality of innovative postgraduate courses (e.g. Intelligent Buildings and Construction Informatics); developing of research programmes especially with industry; pursuing discourse and exchange with research workers, teachers and industrialists across the disciplines of environmental engineering architecture, planning, building engineering and human studies in other countries as well as the UK; developing links with China.

RESEARCH GRANTS

BCO Grant £30,000 on Use of Wearables in the Workplace with PLP Architecture and Joyce Chan-Schoof at Parliament.

BCO Grant £25000 on Review of New Materials with AHMM and AKT II 2019

BCO WELLNESS MATTERS study on health and wellbeing, £100,000 with Will and Partners; Elementa; Sentinel; Imperial College and Reading University (Derek Clements-Croome)

BCO-Scoping study on Wearable Technologies and their Impact on Office Design with Arup 2015-2016 £25,000 ---- Taub/Clements-Croome/ Lockhart

INNOVATE UK- Building Whole Life Performance Project with Low Carbon Maintenance Buildings LCMB Company and Oxford Brookes University and several companies including BCO which I am the representative for also as project advisor on Steering Committee, 2015-2018, £550,000 ; delivered Foreword and Summary at Report Launch on 29 November 2018 at Wedlake Bell.

EU PROJECT DENZERO led by Debrecen University 2013-2014

EPSRC Engineering Doctorate with Royal Bank of Scotland on Environmental Design for Maximum Trader Performance with G Middlehurst and Runming Yao 2012--2017

EPSRC Engineering Doctorate with Buro Happold on Environmental Sensory Design with T Keeling and R A Luck 2011--2015

HEFCE funded Carbon Brainprint Project led by Cranfield University with Cambridge and Reading Universities (£10,000) 2010-12

Technology Strategy Board, 2007, *Spearhead: Space Management Model with FSI and others*, £1.5m (£200,000 to Reading)

EPSRC Environmental Design and Business Value Scoping Study approx £8000 (2006)

EPSRC Identifying a Good Briefing and Procurement Approach for Schools Project, H 30711 £47,661 (2005- 2006), £84,970 (2006-2009)

DTI Technology Programme, Co-ordinated Management of Intelligent Pervasive Spaces with Thales and School of Systems Engineering, £160,000 (2005-2007)

Knowledge Transfer Partnership, *Development of Software to Identify Whole Life Cost of Building Services* with Dytecna, £70,550, (2005-2007)j

EPSRC Ventilation in Schools GR/T23626/01, £263,147 and Department for Education and Skills, £15,000 (2005-2008).

EPSRC System Integration for Building Services C785000, ICRC £105,538.50 (2004-2006).

EPSRC Sustainable Urban Environment Grant GR/T 04878/01 *Innovative Design and Construction for People* with Universities of Southampton and Greenwich £399,922 (£1.7m total) (2004-2008).

Teaching Company Scheme (from 2003 Knowledge Transfer Partnership) with Caice Airmovement Ltd., TCS Programme 3984 on *Acoustics* (attenuator & fan testing) awarded 2002 for start in March 2003 £133,988 (includes £41,447 from Caice Ltd.) (2003-2005) subsequently a restart programme £97,000 until 2007.

EPSRC Grant GR/R64827/01 *Reliability in Building Services* £134,296 plus £134,296 from industry absorbed into Innovative Management Research Centre (IMRC) sponsored by EPSRC 2002 onwards. A further £144,000 ear marked from IMRC for research projects in related areas

(2003-2006).

EPSRC Grant GR/N 33478/01 (2001-2004) *Integrated Logistic Support Analysis for Building Services* £249,367 EPSRC plus direct contributions from industry £369,000 (minimum) (2000-2003).

Effects of Environment on Productivity, May 1997, £20,000 for research Fellowship, Industrial sponsors - Clearvision, Optimum Workplace Environments, Canary Wharf Management Jardinerié.

EPSRC Contract 00487ENG96 *Integrated Graduate Development Scheme MSc Intelligent Buildings: Design, Construction and Management* October 1996 to September 2001, £470,500.

Centre for the Built Environment in Construction Continuing Vocational Education Funding from HEFCE £20,000; Thames Valley Enterprise Plc £18,500; National Contractors Group £5,000; start date May 1996 (now South East Centre for the Built Environment-SECBE).

EPSRC Contract 00700 EBG95 *Intelligent Buildings*, £12,000. (1996 -); MSc level short course ran September 23 - 27, 1996.

Teaching Company Scheme SERC/Dytecna/University of Reading Department of Construction Management & Engineering, Grant £57,086, GR/J59589 (1994-96) on ***Integrated Logistic Support Systems for Construction***.

Teaching Company Scheme SERC/Dytecna/University of Reading Department of Engineering and Department of Construction Management & Engineering, Grant £56,187, GR/J58367 (1993-95) on ***Electromagnetic Compatibility***.

National Contractors' Group, **Education & Training for Construction Industry** (1990).

University of Reading Grant £20,000 on **Microwave Heating** (1990-94).

EC **Technology** Report £3,000 (1992-93).

SERC/University of Reading Grant £110,000 for **Thermal Comfort and Air Quality** (1990-94).

DOE/University of Reading £71,000 for work on **Passive Building Intelligence** (1994-97).

British Council Grant - Treaty of Windsor - of £2,000 with the University of Porto, Portugal on **Thermal Comfort**. (1993-4).

Grant of £21,000 with BICC/University of Reading for work on **Personal Ventilation Systems** (1993-6).

EC Tempus Grant £10,000 with Technical University of Budapest (1991-92).

Natural Ventilation and Energy Conservation financed as a PhD by the Malaysian Government, (1987-91) with Zainal Yusof.

Performance and design of Industrial Radiant Heating Systems Science and Engineering Research Council Collaborative Award with Grayhill Blackheat Limited £111,912 from SERC and £40,635 from Grayhill Blackheat, June 1986 until 1990. Grant numbers GRD 71320 and GR/F/41112 (£19,171).

Personal Environmental Control Systems with industrial collaboration (1990-94) (financed by University of Reading, £100,000).

Ventilation Characteristics of Buildings, SERC Grant No. GR/F/93340 (1990-93) £49,242.

Methods of designing for air movement with Zhao-Xi Lin, Visiting Scholar, financed by the Peoples Republic of China (1984-86) and continued by Dr G Gan, 1990 onwards (financed by University of Reading).

GEM Group of eight Contractors funding £350,000 for **Building Services Engineering and Management** 1989-93, and £160,000 for 1992-94; HEFCE funding of £180,000 for 1992-95; IEL, Atlantic Boilers funded £24,000 (1989-92); Arups £3,000 (1993-97); Bank of Mauritius £16,500 (1993-96).

SERC Grant (£95,000) GR/A/86474 on **Environmental Characteristics of Lightweight Structures** (1982-85).

RESEARCH INTERESTS

* Intelligent Buildings and Cities * Health, Well-Being and Productivity *Environmental Sensory Design *Occupancy Behaviour * Whole Life Performance and Value *Sustainable Architecture *Biomimetic Architecture and Biophilia* Education for emergent sustainability specialists for the Construction Industry * * Electromagnetic Fields and Health *Are There Lessons from Chaos Theory for the construction industry *Ventilation Infection

DESIGN CONSULTANCY

Contributed to design of:

Independent External Assessor on Fresh Air Supply to Beaufort House (1992-1993).

Honorary Adviser for the Ruskin Library, Lancaster University (1991) and also to the Yehudi Menuhin School, Stoke D'Aberon, Surrey (1991-99).

Membership of Advisory Team on several projects including: Restoration of Victoria and Albert Museum; Environmental Engineering Brief for new National Gallery; CIBSE Headquarters New Council Chamber at Balham (Acoustics) (1984).

With Buro Happold:--Basildon New Town development; Internationale Bausausstellung Berlin with Frei Otto (Ecohouses) 1986; DoE Solar Energy Project; Canadian Township 58 degrees North(1981); Diplomatic Club Riyadh

Museum of Amman with Michael Brawne and Ted Happold; Worcester College, Oxford with Richard MacCormac (1980-81). (The International Journal of Museum Management and Curatorship, Vol 2 No 3, September 1983, p257-265).

Consultant on Master planning tool SuBET with Hilson Moran and Dr Al-Waer at Dundee University(

2009 onwards) based on EPSRC SUE IDCOP research project 2006-09 at Reading University.

Work with Volterra Consulting as contributor to BCO Report - *The Challenges for the Office Sector Over the Next Decade and Beyond (May 2011)*

Work with Buro Happold on *Environmental Sensory Design* (2011-2015)

Work with Land Securities now Lansec on health and wellbeing brief for ZigZag Building (2013)

Work with Arup on *Putting People First* Briefing paper for BCO (2015)

Work with Arup on *Wearables Technologies* for (BCO 2015-16)

Work with LCMB and BCO on Innovate UK project *Building Whole Life Performance* (2015-2018)

Work with Will and Partners; Sentinel; Elementa; Imperial College on **WELLNESS MATTERS** Report for BCO 2017-2018

Work with PLP Architecture 2019-2021 on BCO Workplace Research

Work with CETEC 2017--

MEMBERSHIP OF COMMITTEES

Fellow of BRE Academy 2015—

Commissioner appointments (see earlier part of CV) 2015—

Member of BEE Network for CABE arm of Design Council 2015--2020

Member of CIBSE Resilient Cities Group (2014-)

Member of Executive Board for *British Council of Offices* (2003-09) and Technical Affairs Committee (2010--) and Research Committee (2011--) and Environmental Sustainability and Governance Group (2012-)

Chairman and Founder of *CIBSE Intelligent Buildings Group* (2006 -)

Chairman of *CIBSE Whole Life Performance* Task Group, (2003-2012)

Chairman of *Natural Ventilation Group for the Chartered Institution of Building Services Engineers* (1993-2012) and *Project Task Group for Natural Ventilation Design Applications Manual AM 10* (See Publications).

Member *CIBSE Schools Group* (2008--)

Member of *UK-China Eco-cities & Green Building Group* (2010-2013)

Member of *Built Environment College for Engineering and Physical Sciences Research Council* (1995 onwards and re-elected 2005, 2010 continuing) also served on *Materials Panel*.

Member of Council of *National Conference of University Professors* (2003-2012); elected Vice President for NCUP from 2005; President (2006-2008)

Member of *Economics and Social Research Council Panel* on New Dynamics of Ageing (2006-)

Member of *Parliamentary Group for Engineering Development* (1995 -) now. *Parliamentary and Scientific Committee*

Member of *REHVA Education Committee* (2008- 2012)

Member of *Society of Façade Engineering* (2007-2015)
Member *UK Green Building Council* (2009—)
Member of *All Party Parliamentary Climate Change Group* (2008—14)
Member attendee at *All Party Parliamentary Group—Cities* also *Economics of Wellbeing*
Member of UKIEG Committee (2010-)

Member of *British Standards Institution Committees RHE/2 and 23* also *Indoor Climate* (1994- 2002)
Advisor to *Workplace Comfort Forum* (1995 -1998) and Chairman of *International Conference* on
Creating the Productive Workplace, London, October 29-30, 1997.

BSI Housing Energy Code Committee Member.

Chairman and Founder of the *Centre for the Built Environment in Construction Management Group*
(1992-96).

Chairman Council of *Professors of Building Engineering & Management* (1994 - 96)

Chairman Council of *Professors of Building Engineering and Management* (1992 – 94)

President of NCUP 1995-97

Chairman of *CIBSE SW Region* 1981; *Energy Convenor and Chairman of Education & Training Panel*.

Chairman of *Education & Learning Group for CIBSE* (1998-2003)

Chairman of *Electromagneticbiocompatibility Association (EMBA)*, (2002- 2004).

Chairman of Federation of European Heating and Airconditioning Association (REHVA) Task Force
10, *Improving the Reliability and Value of Building Services* (2004-2006)

Chairman of *Further and Higher Education Task Group for Sir Paul Judge* (2002- 2003).

Founder and former Chairman of SECBE 1990-1996 formerly South East then Thames Valley
Centre for the Built Environment

Member of Advisory Board for *Building Research and Information*, International Journal of Research,
Development and Demonstration (1994 - 2002).

Member of *Berkshire Construction Best Practice Club Committee* (2001-2003)

Member of *Board of Assessors for the Building Services Research & Information Association* (1990-
93).

Member of British Standards Institution Committees RHE/2 and 23

Member of *Built Environment Committee for the Council of National Academic Awards* (1985-91).

Member of *CIBSE Council*, (pre 1985; 2007-)

Member of *CIBSE CPD Sub-Committee*, (1988-1992).

Member of *CIBSE Membership Committee*, (1988-1992).

Member of *CIBSE Technology Board*, (1980-84)

Member of *Construction Industry Council Panel* on Energy Efficient Design of Buildings (1995 - 97)

Member of Council for Building Services Research and Information Association- BSRIA-(1995-
1999 and 2004-2007)

Member of *Organising Committee for CIB World Congress 1986* on Computer Applications in
Building Environmental Engineering held in Bath.

Member of *Technical Committee for Clima 2000 World Congress*, London (1993).

Member of the *Chartered Institute of Building Tripartite Committee* (1992- 96).

Member of the *International Scientific Committee (ISC)* of the first International Conference on
Building Energy and Environment (COBEE) Dalian, China. (2008)

Member of the *International Scientific Committee* for the 8th International HVAC Symposium,
Istanbul, May 8th-12th 2008.

**UK Representative for Second World Congress on Heating, Ventilation, Refrigeration and
Airconditioning at Sarajevo, Yugoslavia, 28 August - 1 September 1989.**

INTERNATIONAL WORK

Part of UKTI visit to South Korea February 2014—lectures at Korean Institute of Construction Technology and Seoul National University

Invited Dreosti Memorial Lecture tour of South Africa on *Sustainable Buildings—An Alternative to Heating Ventilation and Airconditioning* in June 2013 sponsored by SARIAC

Member of *Strategy Review Board on Science and Technology for Taiwan Government* (2005-2006)

Invited Lecture tour of Australia and New Zealand on *Sustainable Buildings Design and Operation* in 2008 sponsored by CIBSE Australia/New Zealand Region

Member of *Memoranda of Understanding* concerning courses and research in Intelligent Buildings arranged with Temasek in Singapore and Shenyang Ligong University (2004) and Xian and Jilin Universities (2007) in China

Member of Technical Planning Committee for *Ministry of Construction* in Beijing (2003- 2006).

Commissioner /Editorial Board for annual International Conference arranged by Ministry of Construction in Beijing (2003-) founded by Vice Minister Baoxing Qiu with Professor Clements-Croome in 2002 see Publications

CIB Coordinator for Commission W098 Intelligent and Responsive Buildings (International Council for Research and Innovation in Building & Construction), (2001-).

Participation in CIB Working Commission(s) and/or Task Group(s):

W098	Co-Coordinator	Intelligent and Responsive Buildings
TG34	Member	Regeneration of the Built Environment
TG38	Member	Urban Sustainability
TG49	Member	Architectural Engineering
TG55	Member	Smart and Sustainable Built Environments
WO51	Member	Acoustics
W067	Member	Energy Conservation in the Built Environment
W077	Member	Indoor Climate

Member of ISIAQ Task Force on *Effects of Indoor Environment on Productivity*(2004-2006).

Member of *Healthy and Productive Workplaces* Domain of Sustainable Construction of Built Environments (ScooBE) EU Thematic Network CIB (2001).

Appointed English Editor for CEN European Standard on Indoor Climate at meeting of TC156 Working Group 6 held at the Technical University, Lyngby, Copenhagen on 18-19 March 1991; at the Austrian Standards Institute, Vienna, on 9-10 April 1992; at the Technical University of Trondheim, March 1993; DoE London, November 1993; Danish Standards Institution Copenhagen, March 1997.

Appointed to the Technical Committee 2.1: Physiology and Human Environment for the American Society of Heating, Refrigerating and Airconditioning Engineers (1993-) Atlanta Georgia, USA.

Negotiated students (Part III Building Services Engineering Design & Management) six week work period in Italy 5-9 April 1993 with:

Milanotermica S.p.A
Ditta Filippo Rolla & C. S.a.s.
Intertecno S.p.A.
Sgarbi Impianti S.r.l., ISIR S.p.A.

Independent referee with co-referee is Kurt Masur, conductor of the Leipzig Gewandhaus Orchestra for Fellowship of Engineering, MacRobert Award 1992: topic was New Symphony Hall in Birmingham appointed by Arups.

Presented a lecture on '**Innovation in Building Technology**' in the Department of Architecture at the University of Florence on 1 March 1991, also held informal seminar with six doctoral students.

Negotiated students (Part III Building Services Engineering Design & Management) six week work period in France and Germany. Arrangements made in Paris 30 May - 4 June 1991 with:

CEGELEC
Spie Batignolles, Division Electricite et Nucleaire
CGC Enterprise
Sulzer
Herve Thermique
International Interface High Technology;

in Betzdorf and Kassel 9-12 June 1991 with:

Heinrich Nickel GmbH
Rudolf Otto Meyer
Kassel University, Entec

via Dr R Risso of the Associazione degli Industriali della Provincia di Genova. Siemens and Schindlers Lifts also take BSEDM students in Germany, France and Italy as from 1995.

Invited guest of All- Union Association of Engineers for Heating, Ventilation, Airconditioning, Heat Supply and Building Thermal Physics (ABOK) in St Petersburg, 24-29 August 1991.

International Scientific Advisor for Conferences:

Member of many international committees including:

2nd International Sustainable Building Symposium, ISBS Ankara, Turkey, [May 2015](#)

International Society of Indoor Air Quality and Climate (ISIAQ) .Healthy Buildings Conference 2015-Europe held in Eindhoven, The Netherlands from May 18-20,2015

Indoor Air 2014, the 13th Conference on Indoor Air Quality and Climate, taking place from 7 - 12

July 2014 in Hong Kong.

CIB World Congress in Brisbane May 2013 and Tampere 2016

Healthy Buildings in Brisbane 2012

IPC International Conference on Sustainability through Energy and Buildings 2012 Sweden

International Participative Construction Congress (IPCC) Firat University, Elazig, Turkey, September 28-30, 2011

CISBAT Ecole Polytechnique Federale de Lausanne 2011(since 2008)

International Sustainable Buildings Symposium, Gazi University, Ankara, April, 2010

8th International HVAC Symposium, Clima, Istanbul, 2010

7th January 2010, Chair at Passive and Hybrid Draught Cooling, UCL 2010

7th International Conference on Tall Buildings, 28-30 Oct 2009, Beijing

Healthy Buildings, Syracuse, September, 13-17,2009

14th Building Services and Building Industry Days, University of Debrecen and HAS Regional Committee of Debrecen, Hungary, 30-31 Oct 2008; 2009,

COBEE 2008, July 14-16, Dalian, China

WORKAIR2007 - May 29-31, 2007, Helsinki, Finland

Clima 2007 June, Helsinki;

Healthy Buildings, Lisbon, 2006 June;

International Conference on Asia-European Sustainable Urban Development, April 4-6 2006, Chongqing University, China

Bologna-Delft Seminar (University of Delft) November 28 2005;

Indoor Air Conference, Beijing, September 4-9 2005;

CISBAT Conference, Lausanne, September 28 2005;

REHVA Workshop, Lausanne, Clima October 10 2005;

ISIAQ Conference Beijing 2005 and 2006;

Invited member of Technical Committee for *International Intelligent and Green Building Technologies and Products Conference and Expo* March 2005 by Ministry of Construction in Beijing and re-elected for March 2006 conference. Editor for Proceedings for subsequent yearly conferences

Chairman of *CIB World Congress W098 meeting* in Toronto May 4-7, 2004 and International Organising Committee;

Honorary President of *Intelligent Buildings Conference* at Krakow University of Technology May 20-21, 2004-----2013;

International Conference on *Smart and Sustainable Built Environment*, Brisbane, 19-21 November, 2003;

International Conference on *Healthy Buildings*, Singapore December 2003;

Frigair Conference in Johannesburg 2002;

UK Ambassador for *Clima 2000* Conference in Naples, September 2001;

Honorary President of *Intelligent Building Systems Conference*, at Krakow University of Technology, April 9-10, 2001 and May 13th 2002;

Airconditioning for High Rise Buildings, Shanghai, October 23-27, 2000;

CSTC Technology Watch & Innovation in Construction, Brussels, April 5-6, 2000;

Realising the Benefit at BRE October, 1998; CIB Working Commission W098 International Conference, *Intelligent & Responsive Buildings*, March 28-30, 1999, Bruges;

EIBG International Conference *Intelligent Buildings*;
Energy and Mass Flow in the Life Cycle of Building's CIB W67, Vienna August 1996;
International *Ondol* Conference, July 1996, Seoul, Korea;
Indoor Air '93, Helsinki; *Healthy Buildings '94*, Budapest; *HVAC '95*, Beijing;

EXTERNAL ACADEMIC APPOINTMENTS

MSc Health and Wellbeing Advisor and reviewer for new course at UCL 2016

Visiting Lecturer at Warwick University, Wellbeing Institute for Sustainable Environments (WISE) Group of the late Professor Elizabeth Burton (2012-2014)

Visiting Professor adviser on sounding Panel at Salford University for EPSRC Research Project HEAD led by Professor Barrett July 8/9 2014

Visiting Lecturer at University of Dundee School of Architecture MSc courses directed by Dr Al-Waer 2009—2014

Visiting Professor at London South Bank University-Faculty Engineering Science and the Built Environment 2011—

Visiting Professor at Hong Polytechnic University 2008—2017---see other Visiting Professorships above

Visiting Professor at Chongqing University 2015-2016; Xian University 2015; Nottingham- Ningbo University 2015

External Examiner at:

Centre for Alternative Technology via North East London University MSc 2010-2013

University of Loughborough (Building Services Engineering) 1995 - 99

University of Coventry (Building Services Engineering) 1994 - 00.

University of Hertfordshire (Building Services Engineering) 1991 - 93.

Napier University (Energy Engineering) 1990 - 93.

Dublin College of Technology (Building Services Engineering) 1987 - 90.

Brunel University (MSc in Building Services Engineering) 1987 - 91.

Liverpool University (Building Services Engineering) 1988 - 92.

University College of London (MSc in Environmental Studies)1980 - 84.

University of Strathclyde (Building Design Engineering)1989-93;(Architecture) 1989 - 93.

University of Strathclyde (Building Services Engineering)1984 - 89;

UMIST(Building Services Engineering)1982 - 86.

PhD Examiner at:

- UCL (Riham Ahmed Gaber) 2017
- Greenwich University (Mark Mulville) 2017

- Ningbo-Nottingham University (Jingshun Shen) 2016
- UCL (A.Alfakara) 2016
- Kingston University(Bo Ban) 2015
- Middlesex University (Julie J Riggs) 2013
- UCL (Darunee Mongkolsaswat) 2013
- Salford University (Craig Taylor) 2013
 - Imperial College of Science Technology and Medicine (O Connick) 2013
 - Loughborough University (Y Zhao) 2013
- Putra University Malaysia (A Hoseini) 2012
 - Bucharest University (C Oancea) 2012
 - Loughborough University (F McLaren-Hamilton) 2012
 - Loughborough University (F Sadr) 2011
- Alexandria University Egypt (H Hamdy)2011
- Loughborough University (Fan Yang), 2008
- Imperial College of Science, Technology and Medicine, University of London, (Jamieson), 2008
- University of Oulu (Kallinen), 2008
- Anna University, Chennai, Omdoa (Vijayalaxmi), 2007
- University of Cambridge (Samad), (2007)
- Helsinki University of Technology (Kerjalainen) 2007
- Hong Kong Polytechnic University (K J Wang) 2007
- Helsinki University of Technology (Nenonen) 2005
- Newcastle University (Jamaludin) 2005
- University of Cambridge (Samad, Ph.D Progress) 2004
- Helsinki University of Technology (Lehto, Himanen) 2002/2003
- University of Loughborough (Marjanovic) 2002
- University of Loughborough (Pinnock) 2000
- University of Bath, 1997
- Liverpool University(R N Williams)1996
- Surrey University (G. Hawkes) 1995
- Strathclyde University 1995
- - Cambridge University (Boon Lay Ong) 1996
 - Trinity College Dublin (M. Doyle) 1993 - 94.
 - Loughborough University (T.C.B.F. Gennari) 1988
 - Liverpool University (R. Doig) 1977

- **MPhil/MA/MSc Examiner**

- MPhil Salford University(Craig Taylor) 2013
- MPhil, University Cambridge (Murat Basarir) 2011
- MPhil, University of Central Lancashire (D.T. King) 2006
 - M.A, Manchester Metropolitan University (Decker-Jung) 2003.
 - University of Strathclyde (Bonthron) 1983
 - UMIST (Kwong), 1983

External assessor for:

Tenure at HKBU (K M Lai) 2017

Full Professor Chair at City University Hong Kong (D Li) 2017
 Tenure at Ryerson University (J McArthur) 2017
 Senior Lecturer at Hertfordshire University (Y. Kaluarachchi) 2017
 Associate Prof. at HKPU (Junying Yang) 2017
 2017 Associate Professor at UTS Australia (J Wong) 2016
 Senior Lecturer at UCL (M.Ucci) 2016
 Reader at Loughborough University (M Eftekhari) 2015
 Chair at Aberdeen University (M.S.Imbabi)2015
 Chair at Anglia Ruskin University (K J Jones) 2014
 Chair at UCL (D Mumovich) 2014
 Research Director Lee Kuan Yew Centre Singapore (Boonlay Ong) 2013
 Lecturer at MEARU Glasgow School of Art (S Jamieson)2013
 Post-Doctoral Researcher at Portland State University (A.G.Hoseini) 2013
 Environmental and Sustainability Coordinator at Chichester University (B Spires) 2012

Senior research position at UCL (M Emes) 2012
 Tenure Track Chair Position Aalto University School of Science, Aalto SCI,(Xiaoshu Lu) Finland(2011/2012)
 Probation for M Overend, University Cambridge(2010)
 Chair (APC Chan), Department of Civil Engineering, Dundee University(2008).
 Chair (Professor K Lomas), Department of Civil Engineering, University of Loughborough(2008)
 Chair (Dr Y Li) Department of Mechanical Engineering, University of Hong Kong (2006)
 Associate Professorship Promotion, (Dr. Qudah) Jordan University of Science and Technology, Department Civil Engineering, (2006)
 Readership Promotion (M. Cook), de Montfort University (2005)
 Readership Promotion (D Etheridge) Nottingham University (2005)
 Readership Promotion (S. Lau), the University of Hong Kong (2005)
 Chair in Information Technology, Engineering and Environment at University of South Australia (W.Y. Saman)(2004).
 Chair in Faculty of Engineering, Science and Mathematics at Southampton University, (Dr A B Bahaj) (2004).
 Tenure for Associate Professor (C. Sekhar) in School of Design and Environment, National University of Singapore (2003).
 Readership in the Built Environment (Li Shao) University of Nottingham (2003)
 Docentship in Intelligent Facilities Management at Helsinki University of Technology (M.Himanen) (2003).
 Chair in Computer Science at Essex University (V. Callaghan) (2003)
 Chair in Construction Management at Salford University (S Todd) (2003)
 Chair in Building Services Engineering at Helsinki University of Technology (2002).
 Personal Chair (Dr Robert J Lowe), at Leeds Metropolitan University (Feb 2001) now at UCL
 Personal Chair (Rev.M.Humphries), at Oxford Brookes University (December 2000)
 Chair in Building Services Engineering (personal Chair, Dr D. Loveday) at University of Loughborough (December 2000)
 Personal Chair (S Roaf) at Oxford Brookes University (1997)
 Readership at University of Loughborough (1995)
 Readership at University of West Indies (Trinidad) (1994)
 Chair at University of Strathclyde (M. Corcoran) (1993)
 Chair in Building Services Engineering, at UMIST (1989) (K.Letherman)
 University College Cork (1993) review candidates for Boolean Fellowship.

Course Reviewer

- MSc Health and Wellbeing at UCL(reviewer and member Advisory Board)2015—
 - BSE BSc at South Bank University (June 1999).
 - MSc Construction Project Management, MSc Facilities Management and MSc Property Business Management at University of Central England, Birmingham, (10 July 1997).

READING UNIVERSITY APPOINTMENTS

Director of Research for School of Construction Management and Engineering (2002 - 2007)

Chairman of Research Committee for School of Construction Management and Engineering (2002-2007).

Chairman of Board of Studies for Postgraduate Courses in the School of Construction Management and Engineering (1994 – 2001).

Chairman of Research Board (1989-92).

Member of Senate (1988-).

Member of Council representing the Faculty of Urban and Regional Studies (1993 - 95).

Member of Continuing Education Committee (1988 - 1993).

Member of the Faculty Board for Urban and Regional Studies (1988 - 1993).

REFEREEING OF TECHNICAL PAPERS AND RESEARCH PROJECTS

Project Evaluator for:

Austrian Travel Fund

Carnegie Trust

City University of Hong Kong 2017 and previous

Department of Trade and Industry (Innovation Programme) now Technology Strategy Board now Innovate UK.

Dunhill Medical Trust 2017

EPSRC (Materials Components Panel) (2007)

EPSRC (New Dynamics of Ageing Panel)(2008)

European Union (EU) FP6/FP7.

Journal of Environmental Assessment Policy and Management (JEAPM)

National Centre for Science and Technology; Ministry of Education and Science, Almaty, Republic of Kazakhstan 2017

National University of Singapore. Faculty Research Committee of the School of Design and Environment.

Quebec Funds for Research on Nature and Technologies (Canada)

Springer Publications Netherlands

The Croucher Foundation (Hong Kong)

The Leverhulme Trust
UGC Hong Kong 2017

Peer Reviewer

MPDI Journals
ASHRAE Journal
Automation in Construction
BCIA Awards Jury 2011 and 2012
Brian Mercer Awards for Innovation (Royal Society) 2005
Building and Environment
Building Research and Information Journal (*served on Editorial Board*)
Building Services and Environmental Engineer
Building Services Journal now CIBSE Journal
Building Services Research and Technology Journal (CIBSE)
Centre for Indoor Air Research, Maryland (USA)
City University of Hong Kong
Construction Management & Economics Journal
Energy and Buildings Journal (*served on Editorial Board*)
Engineering Sustainability
EPSRC College of Peer Reviewers
Ergonomics
Human Ecology Review
Indoor Air Journal 2005
Indoor and Built Environment (Editor in Chief, Prof. Chuck Yu)
Intelligent Building Services Awards. May 1st 2007,
International Journal of Architectural Engineering and Design Management, (
on Editorial Board)
International Journal of Construction Innovation
International Journal of Environment (ISSN 2186-0003)
International Journal of Environmental Research and Public Health
(IJERPH) (*Associate Editor*)
International Journal of Low Carbon Technologies (*served on Editorial Board*)
International Journal of Systems Science
INTERNATIONAL REVIEW OF APPLIED SCIENCES AND ENGINEERING(
Associate Editor) , IRASE, (trampus@mk.unideb.hu) 2008-
Journal of Civil Engineering and Management
Journal of Construction,2007, (*served on Advisory Board*)
Journal of Design and Built Environment.(University of Malaya)
Journal of Engineering Design and Technology (*served on Editorial Advisory Board*)
Journal of Environmental Management, 2006
Journal of Environmental Modelling and Assessment, 2006
Journal of the International Solar Energy Society, 2006
Kuwait Foundation for the Advancement of Sciences Research Directorate (2009 -)
Nordic Journal of Surveying and Real Estate Research (*served on Editorial Board*)
Northern Ireland Higher Education Council (NIHEC)
Pervasive Informatics (*serve on Editorial Board*), 2007
Proceedings of ICE journal - Engineering Sustainability
Renewable Energy

Solar Energy, 2006
Sustainable Cities and Society [scs@elsevier.com]
The Institution of Civil Engineers
The International Journal of Sustainable Built Environment(*serve on Editorial Board*)
The Open Construction and Building Technology Journal (*serve on Editorial Board*), (2007-)

GLOSSARY OF SOME ABBREVIATIONS

MSFE	Member of Society of Façade Engineering
CEng.	Chartered Engineer
Eur Ing	European Engineer
CPhys	Chartered Physicist
FICE	Fellow of the Institution of Civil Engineers
FCIBSE	Fellow of the Chartered Institution of Building Services Engineers
FRSA	Fellow of the Royal Society of Arts
FASHRAE	Fellow of the American Society of Heating, Refrigerating and Airconditioning Engineers
FInstP	Fellow of the Institution of Physics
SERC	Science and Engineering Research Council
EPSRC	Engineering and Physical Sciences Research Council, UK
CIAR	Centre for Indoor Air Research, Maryland, USA
CPD	Continuing Professional Development
IGDS	Integrated Graduate Development Scheme
CIBSE	Chartered Institution of Building Services Engineering
DOE	Department of Environment
SERC	Science and Engineering Research Council
ISIAQ	International Society of Indoor Air Quality
TSB	Technology Strategy Board
REHVA	Federation of European Heating and Air-conditioning Association

Emeritus Professor in Architectural Engineering D.J. Clements-Croome
University of Reading,
October 2016

PUBLICATIONS & JOURNALS & REPORTS

Reports for Industry or Commercial or Public Organisations

Clements-Croome D J., 2018 BCO Report *Wellness Matters*

Taub , M., Clements-Croome, D. J., Lockhart, V., 2016, BCO Report on *Wearables in the Workplace: A Review* (BCO@org.uk)

Clements-Croome, D.J., 2016, page 14 *Health and Wellbeing in Homes*, UK Green Building Council (www.ukgbc.org)

Mumovic, D; Burman, E; Daniels, R; Kolokotroni, M; Entwistle, M; Jones, B; Keelingluck, G; Mardaljevic, J; Palmer, J; Clements Croome, D; Taylor, I; Wright, A; Wood, M; 2015, ***CIBSE TM 57 on Integrated School Design***. Technical Memorandum. CIBSE: London. <http://discovery.ucl.ac.uk/1414157/>

Clements-Croome, D.J., 2015, ***Case Study 10 page 44 Classroom Ventilation and Pupil Performance***, in *Built for Living: Understanding Human Behaviour and the Built Environment through Engineering and Design* by Watson J D M., et al., Royal Academy of Engineering Report ISBN 978-1-909327-17-7

Clements-Croome, D.J., Aguilar.,A., Taub M., 2015, ***Putting People First***, Briefing Paper for British Council for Offices, (Reading University and Arup) http://www.bco.org.uk/Research/Publications/Putting_People_First_Designing_for_health_and_welbeing_in_the_built_environment.aspx

Clements-Croome DJ., 2014, ***Sustainable Intelligent Buildings for Better Health, Comfort and Well-Being***, Report for Denzero Project supported by the TÁMOP- 4.2.2.A-11/1/KONV-2012-0041 co-financed by the European Union and the European Social Fund

Clements-Croome, D.J., 2014, contributor to World Green Council Report ***Health ,Well-Being & Productivity in Offices***, <http://www.ukgbc.org/resources/publication/health-wellbeing-and-productivity-offices-next-chapter-green-building>

Clements-Croome, D.J., 2013, ***Review of Evidence for High Quality Environmental Design of Offices and their Impact on Occupants***, September, Land Securities

Clements-Croome, D.J., 2013, contributor to ***Smart Buildings People and Performance*** Report, July, Royal Academy of Engineering, <http://www.raeng.org.uk/publications/reports/raeng-smart-buildings-people-and-performance>

Volterra, C., Martin, A., Clements-Croome D J., Sullivan, L., 2011, ***The Challenges for the Office Sector over the Next Decade and Beyond***, British Council for Offices,1-48, May

Darby, H., Elmualim, A.A., Clements-Croome, D.J., Yearley, T., Davies, G., Box, W., 2011, ***An Indicative Approach to Sustainable Intelligent Buildings using University of Reading Case Studies***, HEFCE Carbon Brainprint Project in Association with Cranfield University, April, received high recommendation Award with Cranfield and Cambridge universities

External Author/Contributor to **WHO: Natural Ventilation for Infection Control in Health-Care Settings**, 2009, World Health Organization, Geneva, ISBN 978 92 4 154785 7, (NLM classification: WX 167)

Journals

Derek J. Clements-Croome (Editor in Chief), 2009, First Issue of **Intelligent Buildings International Journal**, Earthscan now Taylor and Francis ISSN: 1750-8975

Member of Editorial Board of HVCA Journal (1990-94).

Books

2019 *Sustainable and Liveable Intelligent Buildings*, Crowood Press

2018 Four Chapters in *Creating the Creative Workplace*, Third Edition (Routledge)

2017 Two Chapters in Elsevier Encyclopaedia on Cities and Energy Management

2013 Editor and Part Author of book **Intelligent Buildings**, Second Edition, published by ICE Publishing with Foreword by Dr Qiu Baoxing, Vice Minister, Ministry of Housing and Urban-Rural Development, Ministry of Construction, Beijing. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340). Author for Chapters 1,2, 3 also joint author Chapters 7,18 and 20

2013 Editor and Part Author of book **Intelligent Buildings: An Introduction** published by Routledge, ISBN 9780415531139. Author for Chapters 1,5,12 and 13 also joint author Chapters 6 and 9.

2012 Yang, T. and Clements-Croome, D.J., **Natural Ventilation in Built Environment**. In: Meyers, R. A. (ed.) Encyclopedia of Sustainability Science and Technology. Springer-Verlag New York Inc, New York, pp. 6865-6897. ISBN 9780387894690 (Volume 10: Science and Technology of the Sustainable Built Environment pp 394-425 ISBN 978-1-4614-5827-2) doi:[10.1007/978-1-4419-0851-3_488](https://doi.org/10.1007/978-1-4419-0851-3_488)

2007 Derek J. Clements-Croome D.J., Wu S., John G.A., and Quick J., **High Quality Building Services Systems Based on Whole Life Value**, University of Reading, ISBN-N0: 0704998866

2006 Editor and Part Author of book **Intelligent Buildings**, published by Thomas Telford Ltd. with Forward by Dr Qiu Baoxing, Vice Minister, Ministry of Housing and Urban-Rural Development (Chinese Edition) ISBN 7 5074 1688 7. Author for Chapters 1,3 and 14

2006 Editor and Part Author *Creating the Productive Workplace*, Second Edition, Taylor & Francis, pp 424. ISBN 9780415351386. Author for Chapters 2 and 3.

2004 Editor and Part Author of book **Intelligent Buildings**, published by Thomas Telford Ltd., ISBN 0 7277 3266 8. Author for Chapters 1, 3 and 14

2003 Editor and Part Author of **Electromagnetic Environments and Health in Buildings**, E & FN Spon. pp 535. ISBN 9780415316569 Author for Chapter 1.

- 2000 Editor Part Author of *Creating the Productive Workplace*, E & FN Spon. ISBN 0419 2336902-Author for Chapters 1 and 3 also joint author Chapter 10.
- 1997 Co. Author and Editor of book *Naturally Ventilated Buildings*, E & FN Spon ISBN 0419 215204-Author for Chapter 3.
- 1997 Part Author of *Natural Ventilation in Non-domestic Buildings: Applications Manual AM10: 1997*, CIBSE.
- 1991 Editor of book on *Radiant Heating Systems* by Professor L J Banhidi, Pergamon Press, collaborative project with Technical University of Budapest.
- 1986 Editor of book *Fundamentals of Solar Passive Building* by Sodha, Bansal and Malik (Centre of Energy Studies, Indian Institute of Technology and Energy Department and the World Bank, Washington), Pergamon Press.
- 1982 *Noise and the Design of Buildings and Services* (Editor and part author), Construction Press.
- 1981 *Airconditioning and Ventilation of Buildings* (with B M Roberts), Pergamon Press, 466 pages, 2nd Edition (also in Russian and Chinese).
- 1977 *Quality and Total Cost in Building and Services Design* (edited with A F C Sherratt). Spanish edition by Professor Ausuategui and C Holm published by Gustavo Gill, Barcelona.
- 1977 *Noise Buildings and People*, Pergamon.
- 1975 Technical Editor for *Basic Principles of Automatic Control*, by W H Wolsey, Hutchinson.
- 1975 *Airconditioning and Ventilation of Buildings* (with B M Roberts, Pergamon Press, First Edition).
- 1972 *Condensation in Buildings* (edited with A C Sherratt), Applied Science.

Former editor of International Series for Pergamon Press on Building Environmental Engineering 1980-90: which included:-

Volume 1 published January 1982:

Building Services Engineering: A Review of Developments by Billington/Roberts (history of building services).

Volume 2 published 1986:

Fundamentals of Solar Passive Building by Sodha, Bansal and Malik (Centre of Energy Students, Indian Institute of Technology and Energy Department and The World Bank, Washington).

Volume 3 published 1989:

Radiant Heating by Dr L Banhidi (Hungarian Building Research Institute, Budapest).

Volume 4 published 1989/90:

Dynamic Environmental Control in Buildings by Isfalt, Sodergren and Brown (Royal

Institute of Technology, Stockholm).

Croome D.J., Field, A.A., 1965, *Brightside Chimney Design Manual* published by Brightside Research and Development Department, Anson Rd., Portsmouth, ISBN 9780903064019 (revised 1968)

• **Refereed Journal Papers and Book Chapters**

- **Clements-Croome, D.**, (2018) Chapters 1,2,3,28 in [Creating the productive workplace: places to work creatively](#). Ed. Clements-Croome , Routledge, London. ISBN 9781138963344
- **Clements-Croome, D.** (2018) [The role of feedback in building design 1980–2018 and onwards](#). Building Services Engineering Research & Technology. ISSN 0143-6244
doi: <https://doi.org/10.1177/0143624418812982>
- **Shahrestani, M., Yao, R., Cook, G. K. and Clements-Croome, D.** (2018) [Decision-making on HVAC&R systems selection: a critical review](#). Intelligent Buildings International Journal, 10 (3). pp. 133-153. ISSN 1750-8975
doi: <https://doi.org/10.1080/17508975.2017.1333948>
- **Ghaffarianhoseini, A., AlWaer, H., Ghaffarianhoseini, A., Clements-Croome, D., Berardi, U., Raahemifar, K. and Tookey, J.** (2018) [Intelligent or smart cities and buildings: a critical exposition and a way forward](#). Intelligent Buildings International Journal, 10 (2). pp. 122-129. ISSN 1750-8975
doi: <https://doi.org/10.1080/17508975.2017.1394810>
- **Ghaffarianhoseini, A., AlWaer, H., Omrany, H., Ghaffarianhoseini, A., Alalouch, C., Clements-Croome, D. and Tookey, J.**(2018) [Sick building syndrome: are we doing enough?](#) Architectural Science Review, 61 (3). pp. 99-121. ISSN 0003-8628 doi: <https://doi.org/10.1080/00038628.2018.1461060>
- **Middlehurst, G., Yao, R., Jiang, L., Deng, J., Clements-Croome, D. and Adams, G.** (2018) [A preliminary study on post-occupancy evaluation of four office buildings in the UK based on the Analytic Hierarchy Process](#). Intelligent Buildings International Journal, 10 (4). pp. 234-246. ISSN 1750-8975
doi: <https://doi.org/10.1080/17508975.2018.1495607>
- **Liu, G., Xiao, M., Zhang, X., Gal, C., Chen, X., Liu, L., Pan, S., Wu, J., Tang, L. and Clements-Croome, D.** (2017) [A review of air filtration technologies for sustainable and healthy building ventilation](#). Sustainable Cities and Society, 32. pp. 375-396. ISSN 2210-6707 doi: <https://doi.org/10.1016/j.scs.2017.04.011>
- **Xie, H., Clements-Croome, D. and Wang, Q.** (2017) [Move beyond green building: a focus on healthy, comfortable, sustainable and aesthetical architecture](#). Intelligent Buildings International, 9 (2). pp. 88-96. ISSN 1750-8975 doi: <https://doi.org/10.1080/17508975.2016.1139536>
- **Clements-Croome, D.**, (2018) Chapters 1,2,3,28 in [Creating the productive workplace: places to work creatively](#). Ed. Clements-Croome , Routledge, London. ISBN 9781138963344
- **Yang, T. , Clements-Croome, D. and Marson, M.** (2017) [Building energy management systems](#).In: Abraham, M. A. (ed.) Encyclopedia of Sustainable Technologies. Elsevier, pp. 291-309. ISBN 9780128046777

- [Clements-Croome, D.](#), Marson, M. , Yang, T. and Airaksinen, M. (2017) [Planning and design scenarios for liveable cities.](#) In: Abraham, M. A. (ed.) Encyclopedia of Sustainable Technologies. Elsevier , pp. 81-97. ISBN 9780128046777
- Banani, R., [Vahdati, M. M.](#), [Shahrestani, M.](#) and [Clements-Croome, D.](#) (2016) [The development of building assessment criteria framework for sustainable non-residential buildings in Saudi Arabia.](#) Sustainable Cities and Society, 26. pp. 289-305. ISSN 2210-6707 doi: <https://doi.org/10.1016/j.scs.2016.07.007>
- Keeling, T. P., [Roesch, E. B.](#) and [Clements-Croome, D.](#) (2016) [Cognitive appraisals affect both embodiment of thermal sensation and its mapping to thermal evaluation.](#) Frontiers in Psychology, 7. 800. ISSN 1664-1078 doi: <https://doi.org/10.3389/fpsyg.2016.00800>
- Darby, H., [Elmualim, A.](#), [Clements-Croome, D.](#), [Yearley, T.](#) and Box, W. (2016) [Influence of occupants' behaviour on energy and carbon emission reduction in a higher education building in the UK.](#) Intelligent Buildings International, 8 (3). pp. 157-175. ISSN 1750-8975 doi: <https://doi.org/10.1080/17508975.2016.1139535>
- Ghaffarianhoseini, A., Berardi, U., AlWaer, H., Chang, S., Halawa, E., Ghaffarianhoseini, A. and [Clements-Croome, D.](#) (2016) [What is an intelligent building? Analysis of recent interpretations from an international perspective.](#) Architectural Science Review, 59 (5). pp. 238-257. ISSN 0003-8628 doi: <https://doi.org/10.1080/00038628.2015.1079164>
- Chatterton, J., Parsons D., Nicholls, J., Longhurst, P., Bernon, M., Palmer, A., Brennan, F, Kolios, A, Wilson, D.I., Ishiyama, E.M., Clements-Croome, D., Emalualim, A., Darby, H. and Yearley, T., 2015, *Carbon brainprint – An estimate of the intellectual contribution of research institutions to reducing greenhouse gas emissions*, **Process Safety Environmental Protection**, 96, July, 74–81.
- Clements-Croome, D.J., 2015, *Creative and Productive Workplaces: A Review.*, Intelligent Buildings International.,7, 4, 1-20 <http://dx.doi.org/10.1080/17508975.2015.1019698>
- Keeling, T., Clements-Croome, D.J., Roesch, E., 2015, *The Effect of Agile Workspace and Remote Working on Experiences of Privacy, Crowding and Satisfaction* Buildings,5(3),880-898;[doi:10.3390/buildings5030880](https://doi.org/10.3390/buildings5030880) [MDPI](#)
- Clements-Croome, D.J., 2013, Sustainable Healthy Intelligent Buildings for People, Chapter 1, In: Clements-Croome, D.J., (ed.) Intelligent Buildings. 2nd edition. ICE, pp. 1-24. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)
- Clements-Croome, D., 2013, Lessons from Nature for Sustainable Architecture. Chapter 2, In: Clements-Croome, D.J., (ed.) Intelligent Buildings. 2nd edition. ICE, pp. 25-42. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)
- Clements-Croome, D.J., 2013, Environmental Health and Well-being in Buildings,. Chapter 3, In: Clements-Croome, D. J.,(ed.) Intelligent Buildings. ICE, pp. 43-60. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)
- Keeling, T., Clements-Croome, D.J., Luck, R. & Pointer, P., 2013, Wireless Sensors for Monitoring People and their Close Environment, **Chapter 7**, In: Clements-Croome, D. (ed.) Intelligent Buildings 2nd edition. ICE, pp. 107-118. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)
- Alwaer, H., Clements-Croome, D.J., 2013, Intelligent, Sustainable, Liveable Cities. Chapter 18, In: Clements-Croome, D.J., (ed.) Intelligent Buildings. 2nd edition. ICE, pp. 283-303. ISBN

9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)

Alwaer, H., Beltran, F., Clements-Croome, D.J., and Melo D., 2013, Chapter 20, **Innovative Futures**, In: Clements-Croome, D.J., (ed.) *Intelligent Buildings*. 2nd edition. ICE, pp. 313-323. ISBN 9780727757340 doi: [10.1680/ib.57340](https://doi.org/10.1680/ib.57340)

Clements-Croome, D.J., 2013, *Introduction*, Chapter 1, In: Clements-Croome, D. (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 3-7. ISBN 9780415531139

Clements-Croome, D.J., 2013, Human Factors, **Chapter 5**, In: Clements-Croome, D. (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 25-34. ISBN 9780415531139

Clements-Croome, D.J., Lisa Gingell, 2013, Integration of People Processes and Products. Chapter 6, In: Clements-Croome, D.J. (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 35-44. ISBN 9780415531139

Clements-Croome, D.J., Alan Johnstone, 2013, Intelligent Building Management Systems, **Chapter 9**, In: Clements-Croome, D.J., (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 59-66. ISBN 9780415531139

Clements-Croome, D.J., 2013, Post-occupancy Evaluation. Chapter 12, In: Clements-Croome, D.J., (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 92-95. ISBN 9780415531139

Clements-Croome, D., 2013, Tenets for Planning Designing and Management of Intelligent Buildings. Chapter 13, In: Clements-Croome, D.J., (ed.) *Intelligent Buildings: An Introduction*. Routledge, pp. 96-98. ISBN 9780415531139

Clements-Croome, D.J., 2013, Consciousness, Well-being and the Senses. In: Ong, B. L. (ed.) *Beyond Environmental Comfort*. Routledge, pp. 37-46. ISBN 9780415453691

Clements-Croome, D.J., 2013, Why Does the Environment Matter? In: Ong, B. L. (ed.) *Beyond Environmental Comfort*. Routledge, pp. 139-160. ISBN 9780415453691

Clements-Croome, D.J., 2012, Sustainable Built Environment, In: Meyers, R. A. (ed.) *Encyclopedia of sustainability science and technology*. Springer. ISBN 9780387894690 (In Press)

Lu, X., Clements-Croome, D. and Viljanen, M. 2012, **Fractal Geometry and Architecture Design: Case Study Review**, Chaotic Modeling and Simulation (CMSIM) 2: 311-322, 2012 CMSIM ISSN 2241-0503

Bako-Biro, Z., Clements-Croome D.J., Kochhar, N., Awbi H.B., Williams, M.J., 2011, **Ventilation Rates in Schools and Pupils' Performance**, Building and Environment, 48, February, 215-223 doi:[10.1016/j.buildenv.2011.08.018](https://doi.org/10.1016/j.buildenv.2011.08.018)

Clements-Croome, D.J., 2011, **Sustainable Intelligent Buildings for People: A Review**, *Intelligent Buildings International*, 3, 2, 67-86

Clements-Croome, D.J., 2011, The Interaction between the Physical Environments and People. In: Abdul-Wahab, S. A. (ed.) *Sick Building Syndrome in Public Buildings and Workplaces*. Springer, pp. 239-259. ISBN 9783642179181 doi: [10.1007/978-3-642-17919-8_13](https://doi.org/10.1007/978-3-642-17919-8_13)

- [Clements-Croome, D.J., 2011, *Emerging Technologies and Housing Prototypes*, Book Review, in Intelligent Buildings International p.164](http://dx.doi.org/10.3763/inbi.2009.0023) <http://dx.doi.org/10.3763/inbi.2009.0023>
- Yu, J., Dang B., Clements-Croome, D.J., Xu, S., 2011, *Sustainability Assessment Indicators and Methodology for Intelligent Buildings*, Advanced Materials Research Vols. 368-373 pp 3829-3832. . ISSN 1662-8985 doi: 10.4028/www.scientific.net/AMR.368-373
- Clements-Croome, D.J., 2010, *Fenntartható intelligens épületek az embereknek (angol nyelvű)*. Magyar Épületgépészet, 59 (11). pp. 14-19. ISSN 1215-9913
- Lu X., Clements-Croome D,J., Viljanen, M., 2010, *Integration of chaos theory and mathematical models in building simulation, Part I: Literature review*, Automation in Construction, 19 (4). pp. 447-451. ISSN 0926-5805
<http://dx.doi.org/10.1016/j.autcon.2010.01.002>
- Lu X., Clements-Croome D,J., Viljanen, M., 2010, *Integration of chaos theory and mathematical models in building simulation, Part II: Conceptual frameworks*, Automation in Construction, 19 (4). pp. 452-457. ISSN 0926-5805
<http://dx.doi.org/10.1016/j.autcon.2010.01.003>
- Lu X., Clements-Croome D,J., Viljanen, M., 2010, *Chaos Models in Sustainable Building Simulation*, in: Proceedings: SB10 Prague - Central Europe towards Sustainable Building `From Theory to Practice`
- Cardellino,P., Leiringer, R., D Clements-Croome, DJ. 2010, *Exploring the Role of Design Quality in the Building Schools for the Future Programme*, Gestão & Tecnologia de Projetos, 5 (1). pp. 134-134
- Al-Waer,H., Clements-Croome, D.J. 2009.Key performance indicators (KPIs) and priority setting in using the multi-attribute approach for assessing sustainable intelligent buildings, Building and Environment, 45 (4). pp. 799-807. ISSN 0360-1323 doi: 10.1016/j.buildenv.2009.08.019
- Cardellino, P., Leiringer, R.and Clements-Croome D.2009.*Exploring the Role of Design Quality in the Building Schools for the Future Programme*. Architectural Engineering and Design Management. 5 (4). pp. 249-262. ISSN 1745-2007 <http://dx.doi.org/10.3763/aedm.2008.0086>
- Cardellino P.,Whyte, D.J.,Clements-Croome, D.2009 Research on Design Quality at Reading. CIBSE Schools Design Group. CIBSE
- Lu, X., Clements-Croome, D.J., Viljanen, M., 2009, *Past, Present and Future Mathematical Models for Buildings*, Part 1, Intelligent Buildings International Journal, 1 ,23—38. ISSN 1750-8975 <http://dx.doi.org/10.3763/inbi.2009.0009>
- Lu, X., Clements-Croome, D.J., Viljanen, M., 2009, *Past, Present and Future Mathematical Models for Buildings* , Part 2, Intelligent Buildings International Journal,1, 2 ,131--141. ISSN 1750-8975 doi: 10.3763/inbi.2009.0024
- March, P.,Yao R., Clements-Croome, D.J.,2009, *Development of Intelligent Buildings in Bahrain*, Journal of Centre South University, (Supplement). pp. 89-94. ISSN 1005-9784

Bakó-Biró, Z., Clements-Croome D.J., Kochhar, N., Awbi, H.B. and Williams, M., 2008, ***Ventilation rates in schools and pupil's performance using computerized assessment tests***. Building and Environment, 43(4).pp.362-367. ISSN 0360-1323 doi:10.1016/j.buildenv.2006.03.018

Clements-Croome, D.J., Awbi, H.B., Bakó-Biró, Zs., Kochhar N. and Williams, M., 2008 , ***Ventilation Rates in Schools***, Building and Environment, Volume 43, Issue 3,pp 362-367

Clements-Croome, D. 2008, ***Work Performance, Productivity and Indoor Air***, Scandinavian Journal of Work Environment and Health ,Volume 34, Supplement 4, 69-78

Chen, Z., Clements-Croome, D. J., Hong, J., Li, H. and Xu, Q. 2007.***The closure of "A Multicriteria Lifespan Energy Efficiency Approach to Intelligent Building Assessment"***. Energy and Buildings, 39 (4). pp. 506-507. ISSN 0378-7788 doi:10.1016/j.enbuild.2007.01.002

Chen, Z., Clements-Croome, D.J., Heng L., Shen Q.P., Chung J, K H., 2007, ***A Triz based Value Management Process for Selecting Façade Solutions***, The Value Manager, Vo. 13 No.2 Hong Kong Institute of value Management (HKIVM), ISSN 1029-0982 Pages 3-8.

Clements-Croome, D.J., 2007, ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Pécs, Hungary, in Magyar Épületgépészet, 3, 11 doi: 10.1049/ic.2009.0222

Yang, Y., Li, B. and Yao, R. 2007, ***Policy Impact on Building Energy Efficiency: EU Experiences***.Journal of Heating Ventilation & Air Conditioning.ISSN 1002-8501

Wu, S., Clements-Croome, D.J., 2007, ***Ratio of Operating and Maintenance Costs to Initial Costs of Building Services Systems***, Cost Engineering (Morgantown, West Virginia) 49 (12), pp. 30-33.

Wu, S., Clements-Croome, D.J, 2007, ***Understanding the Indoor Environment through Mining Sensory Data --- A Case Study***, Energy and Buildings. 39 (11). pp. 1183-1191. ISSN 0378-7788. <http://dx.doi.org/10.1016/j.enbuild.2006.07.011>

Wu S, Clements-Croome, D. J., 2007, ***Burn-in Policies for Products having Dormant States***, Reliability Engineering and System Safety Vol 92 (3), Pages 278-285 <http://dx.doi.org/10.1016/j.res.2006.04.003>

Chen, Z., Clements-Croome, Hong, J., Li, H., Xu, Q., 2006,***A Multicriteria Lifespan Energy Efficiency Approach to Intelligent Building Assessment***, Energy and Buildings, 38 (5). pp. 393-409. ISSN 0378-7788 .<http://dx.doi.org/10.1016/j.enbuild.2005.08.001>

Clements-Croome, D. J. 2006, ***Challenges and Opportunities for Intelligent Buildings for the 21st Century***, In: Hao, J. P., He, J. J. and Fan, K. X. (eds.) 2006 Xi'an International Conference of Architecture and Technology, Proceedings - Architecture in Harmony. China Architecture & Building Press, Beijing, pp. 884-897. ISBN 978711200507-9

Wu, S., Clements-Croome, D.J, 2006,***A Novel Repair Model for Imperfect Maintenance***, IMA Journal of Management Mathematics, 17 (3). pp. 235-243. ISSN 1471-678X doi:10.1093/imaman/dpi036

Wargocki, P., Seppänen, O., Andersson, J., Boerstra, A., Clements-Croome, D.J., et al., 2006, ***Indoor***

Climate and Productivity in Offices: How to Integrate Productivity in Life Cycle Cost Analysis of Buildings Services, In: REHVA Guide Book No 6. Federation of European Heating and Airconditioning Associations, pp. 1-76. ISBN 2960046854

Wu, S., Clements-Croome, D.J, Fairey, V., Neale, K., Albany, B., Sidhu, J. and Desmond, D., 2006, ***Reliability in the Whole Life Cycle of Building Systems***. Engineering Construction Architectural Management Journal. 13 (2). pp. 136-153. ISSN 0969-9988 doi:10.1108/09699980610659607

Clements-Croome, D.J., Awbi, H.B., Williams, M., 2005, ***Ventilation Rates in Schools***, In: Proceedings of Indoor Air 2005, The 10th International Conference on Indoor Air Quality and Climate, , Vols 1-5. Tsinghua University Press, Beijing, pp. 3223-3227. ISBN 9787894948304 (Invited paper for Building and Environment Journal, accepted for publication in late 2006)

Clements-Croome, D.J., 2005, ***Designing the Indoor Environment for People***, International Journal of Architectural Engineering and Design Management, 1 (1). pp. 45-55. ISSN 1745-2007

John, G., Clements-Croome, D., and Jeronimidis G., 2005, ***Sustainable Building Solutions: A Review of the Natural World***, Journal of Building and Environment, Vol. 40(3) pp.319- 328. ISSN 0360-1323 <http://dx.doi.org/10.1016/j.buildenv.2004.05.011>

John, G., Clements-Croome, D.J., Fairey, V. and Loy, H., 2005, ***Contextual Prerequisites for the Application of ILS Principles to the Building Services Industry***, Engineering, Construction Management Journal, 12 (4). pp. 307-328. ISSN 0969-9988 doi: 10.1108/09699980510608794

John, G., Loy, H., Clements-Croome, D., Fairey, V., and Neale, K. 2005, ***Applying integrated logistic support to building services systems***, Innovation in Architecture, Engineering and Construction (AEC) Journal. (Refereeing process)

Kaluarachchi Y., Jones K., James P.A.B., Jentsch M.F., Bahaj A.S., Clements-Croome D.J., and Gann D.M., 2005, ***Building Facades: Sustainability, Maintenance and Refurbishment***, Proceedings of ICE, Engineering Sustainability, Volume 158, Issue ES2, June, pp 89-95. (doi:10.1680/ensu.158.2.89.67119)

Wu, S., Clements-Croome, D.J, 2005, ***Optimal replacement policies and extended warranty policies in lifecycle costing***. International Journal of Reliability Quality and Safety Engineering. (Refereeing process)

Wu, S., Clements-Croome, D.J., 2005, ***Optimal Maintenance Policies under Different Operational Schedules***, IEEE Transactions on Reliability, 54 (2). pp. 338-346. ISSN 0018-9529 doi: 10.1109/tr.2005.847255

Wu, S., Clements-Croome, D.J, 2005, ***Preventive Maintenance Models with Random Maintenance Quality***, Reliability Engineering and System Safety, 90 (1). pp. 99-105. ISSN 0951-8320 doi: 10.1016/j.ress.2005.03.012

Clements-Croome, D.J., 2004, ***Healthy Buildings***, Chapter 1, In: Clements-Croome, D.J. (ed.) Electromagnetic Environments and Health in Buildings, 3-33 (Spon Press). ISBN 9780415316569

Clements-Croome, D.J., 2004, ***Intelligent Buildings***, Chapter 1, In: Clements-Croome, D.J. (ed.) Intelligent Buildings: Design, Management and Operation, Thomas Telford, 3-24, ISBN 9780727732668

Clements-Croome, D.J., 2004, *Building Environment, Architecture and People*, Chapter 3, In: Clements-Croome, D.J. (ed.) *Intelligent buildings: Design, Management and Operation*. Thomas Telford, London, 53-100. ISBN 9780727732668

Clements-Croome, D.J., 2004, *Sustainable Architecture*, Chapter 14, In: Clements-Croome, D.J. (ed.) *Intelligent Buildings: Design, Management and Operation*. Thomas Telford, London. 349-401. ISBN 9780727732668

Loy, H.M., John, G.A., Clements-Croome, D.J., Fairey, V. and Neale, K., 2004, *Achieving Quality through Statistical Prediction for Building Services Systems*, *Building Services Research and Technology*, June, 25, (2), 99-110. ISSN 0143-6244 doi:10.1191/0143624404bt082oa

Clements-Croome, D.J., 2003, *Environmental Quality and the Productive Workplace*, In: Anumba, C. J. (ed.) *Innovative Developments in Architecture, Engineering and Construction*. Millpress Science Publishers, Rotterdam, pp. 335-341. ISBN 9789059660083

Clements-Croome, D.J., 2003, *Better Buildings Better Business*, *Building Services Journal*, 25, 11, 44-46.

John, G.A., Loy, H.M., Clements-Croome, D.J., Fairey, V., Neale, K., 2003, *A Systems Model for Maintenance Support and Decision-Making in Building Services Systems*, In: Anumba, C. J. (ed.) *Innovative Developments in Architecture, Engineering and Construction*. Millpress Science Publishers, Rotterdam, pp. 705-716. ISBN 9059660080

Awbi, H.B., Clements-Croome, D.J., Shipworth, D.T., Elmualim, A.A.M., 2002, *Sustainable Buildings' Contribution to the Environment*, Chapter in *Renewable Energy*, Sovereign Publications, London, (ISBN 19 036051 21).

Clements-Croome, D.J., 2002, *Environment and the Productive Workplace*, Chapter 3 In: Rooley and Sherratt, (ed), *Air Quality for People* 21-60 (ISBN 1902789-08-6).

Clements-Croome, D.J., 2002, *"Influenza dei fattori ambientali e sociali sulla produttività nei luoghi di lavoro"* (Influence of Social and environmental factors on productivity in working places), *Il Condizionamento dell'Aria*, No.5., 50-56.

Clements-Croome, D.J., 2001, *Building a Better Future*, *Building Services Journal*, 23, (8), 30-31.

Clements-Croome, D.J., 2000, *Indoor Environment and Productivity*, Chapter 1, In: Clements-Croome, D.J. (ed.) *Creating the Productive Workplace*, (Spon/Routledge), 3-17 (ISBN 0419 236902).
Clements-Croome, D.J., 2000, , *Consciousness, Well-Being and the Senses*, Chapter 3, In: Clements-Croome, D.J. (ed.) *Creating the Productive Workplace*, (Spon/Routledge), 29-39.

Clements-Croome, D.J., Kaluarachchi, Y., 2000, Chapter 10, *Assessment and Measurement of Productivity*, In: Clements-Croome, D.J. (ed.) *Creating the Productive Workplace*, (Spon/Routledge), 129-166.

Clements-Croome, D.J., 1999, *Environmental Stress at Work*, *Ability*, 30, 12-13

Clements-Croome, D.J., Kaluarachchi, Y., 1998, *Assessment of the Influence of Indoor Environment*

on Job Stress and Productivity of Occupants in Offices, Proceedings of Healthy Buildings/IAQ'97, Washington D.C., September – October 2, 1997, paper selected for ASHRAE book *Design, Construction and Operation of Healthy Buildings* (Section on *Global Issues and Building Investigations*), 67-81, October, 1998 (ISBN1 - 883413-66-4) ed. D.J. Moschandreas (6 referees).

Clements-Croome, 1997, *Specifying Indoor Climate* in Book *Naturally Ventilated Buildings*, part author and editor, E & FN Spon (Chapman & Hall). ISBN 0419 21520 4, 35-91.

Clements-Croome, D.J., 1997, *Developing an MSc in Intelligent Buildings* in Proceeding of Second Intelligent Buildings International Congress, Tel Aviv, March, 83 - 87 (ISSN 0793-2448).

Clements-Croome, D.J., 1997, *What Do We Mean by Intelligent Buildings?* Automation in Construction, 6, 395 - 400.

Finch, E., Clements-Croome, D.J., (1997) *University courses in intelligent buildings - new learning approaches*, Facilities, Vol. 15 Iss: 7/8, pp.171 - 176
<http://dx.doi.org/10.1108/02632779710168209>

Croome, D. J., et al, 1996 *Design Issues for Natural Ventilation in the UK*, BSERT, 17, (1), 1 - 5 (ISBN 0143-6244)

Croome, D. J., 1996, *Freshness, Ventilation and Temperature in Offices*, Building Services Engineering Research & Technology, 17, (1), 21-27, (ISSN 0143-6244).

Clements-Croome, D.J., 1996, *Future Horizons in Building Environmental Engineering*, Building Research and Information, 24, (2), 86-103 (ISSN 0961-3218).

Croome, D. J., Baizhan, L., Yao Runming., 1995, *Airconditioning in China*, Building Research & Information, 23, (16), 309-316.

Croome, D.J., Cook, G.K., 1994, *Innovation in Teaching and Learning: Aspects of a Building Services Engineering Design & Management Course*, Engineering Education Conference: 'Increasing Student Participation,' Sheffield Hallam University, 12-14 September. Proceedings ed. A.J., Smith 332 - 336.

Croome, D.J., Gan, G., et al, 1994, *Thermal Comfort and Air Quality in Naturally Ventilated Offices: Case Study*, Bldg. Servs. Res. Tech., 15, (3) B21 - B40.

Croome, D.J., Cook, G.K., 1993, *Building Services Engineering Design and Management: An Innovative Undergraduate Course*, The International Journal of Engineering Education. **9.2**, 148-155.
Croome, D.J., *History of Airconditioning and Ventilation*, 1994 edition, Dictionary of Art, Published by Macmillan.

Croome, D.J., *History of Heating Systems*, 1994 edition, Dictionary of Art, Published by Macmillan.

Croome, D.J., *Building Utilities*, 1994 edition, Dictionary of Art, Published by Macmillan.

Croome, D.J., Gan, G., Awbi, H.B., 1992, *Evaluation of Thermal Comfort and Indoor Air Quality in Offices*, Building Research and Information, 1992, **20**, 211-225.

Croome, D.J., 1991, *Educational Futures for the Construction Industry*, Industry & Higher Education,

5, (1), 35-46.

Croome, D.J., 1991, *Initiatives in Environment Control within Buildings*, Intelligent Building International Directory (IBC Business Publishing), 24-30.

Croome, D.J., 1991, *The Determinants of Architectural Form in Modern Buildings Within the Arab World*, Building and Environment, **26**, 4, 349-362.

Croome, D.J., 1990, *The Impact of Technological Innovation on the Construction Industry*, Building Research and Practice, No. 3, 174-182.

Croome, D.J., Allen, M., 1990, *Education and Training : Future Policy*, Building, Issue 42, 26 October, 5-9 (part of Building Towards 2001, 1-24).

Croome, D.J. 1990, *Building Services Engineering - The Invisible Architecture*, Building Serv. Eng. Res. Technol. 11 (1) 27-31, The Chartered Institution of Building Services Engineers.

Croome, D.J., 1990, Stimulating review of UK and international construction confirming there is no time now for entrenched attitudes resisting any form of change, or jealously guarded vested interests, Batiment International, Building Research and Practice, Vol. 8 (3), DOI:10.1080/01823329008727036

Bennett J, Croome D and Atkin B., 1989., *Investing in Building 2001*. Centre for Strategic Studies in Construction, University of Reading, UK.

Croome, D.J., 1989, *Environmental Conditions in Hospital Wards*, J Inst Hosp Eng., June 1989, 43, (5), 11-17. (Awarded Northcroft Silver Medal)

Croome, D.J., 1985, *Environmental Design of Ecological Housing Development in Berlin* in book Wohnbereich in Garten published by Kurz of Stuttgart for International Bauausstellung Berlin 1987 in conjunction with Feri Otto May - August, 86-93.

Croome, D.J., 1985, *Acoustic Design for Flexible Membrane Structures*, Applied Acoustics, **18**, (6) 399-433.

Croome, D.J., 1985, *Covered Northern Township*, International Journal of Ambient Energy, **6**, 4, 171-186.

Croome, D.J., 1984, *Physics and Building Design*, in Physics Bulletin 35, 335-337.

Croome, D.J., Sinclair, V.J., 1984, *The Development of an Energy Conservation Model Related to Estate Management*, Journal of the Institute of Hospital Engineering, 9-17 April.

Croome, D.J., 1984, *The Role of Building Environmental Engineering in the Building Design Process* - Engineering Education : Design Studies, ed: D E P Jenkins, CDG Working Group on Curriculum Development, 23-26 October, Seminar held at Napier College, Edinburgh, 73-83.

Croome, D.J., 1983, *The Role of Building Environmental Engineering in the Building Design Process*, Review for Architecture and Science, Munich, No 2, 82-90.

Croome, D.J., Sinclair, V.J., Passmore, J.E., 1983, *Energy Modelling for the NHS Estate*, Health

Service Estate No 51, September, 19-22.

Croome, D.J., Sinclair, V.J., 1983, *Saving Energy in Health Buildings*, Building Services Engineering Research and Technology, **4**, (4), 129-138.

Croome, D.J., 1982, *Sound and Vibration*, Chapter in Electricity and Building Edited by G J Hughes for Electricity Council (published by Peter Peregrinus Limited in 1984).

Croome, D.J., 1981, *Building Environmental Engineering Higher Education*, Building Services Eng Res Tech, **2**, (1), 27-36.

Croome, D.J., 1980, *Feedback and its Role in Building Design*, Building Services Eng Res Tech, **1**, (1), 1-9.

Croome, D.J., 1980, *Man, Environment and Buildings*, Building and Environment, **15**, 234-238.

Croome, D.J., 1979, *Designing to the Sound Climate in Buildings*, Building Services and Environmental Engineer Vol 1 (6), 20-28, February.

Croome, D.J., 1978, *Environmental Engineering Aspect of Coalmines*, Building Services Engineer, **45**, January, 175-185.

Croome, D.J., 1978, *Building Environmental Engineering Higher Education*, Building services and Environmental Engineer Vol 1 (2), 12-14, November.

Croome, D.J., 1977, Technical Note on *Predicting the Sound Emission from Airconditioning and Ventilation Systems* in Applied Acoustics, **10**, October, 315-316.

Croome, D.J., 1975, *An Education Plan for the Building Services Industry*, Building Services Engineer, **43**, (10), 141-147, also presented at the Society of Local Government, Chief Engineers Annual Meeting at the Royal Commonwealth Society on 19 June.

Croome, D.J., 1973, *What's In a Name?*, Building Services Eng, **41**, A31-33.

Croome, D.J., 1972, *Education of Environmental Engineers in British Universities*, Building Services Engineer, **40**, 33-37.

Croome, D.J., 1972, *The Emergence of Environmental Engineering in British Universities*, American Society of Heating, Refrigerating and Airconditioning Engineers Journal **14**, (11), 57-60.

Croome, D.J., 1971, *Sound Sources in Airflow Systems* (with L J Stewart) J Inst Heat Vent Engrs, **38**, 239-252. (Awarded the Institution of Heating and Ventilating Engineers Bronze Medal).

Croome, D.J., 1970, *The Acoustical Environment in Buildings*, J Inst Heat Vent Engrs **38**, 32-41.

Croome, D.J., 1970, *Noise Sources in Buildings*, J Inst Heat Vent Engrs, **38**, 60-66. (Awarded Bronze Medal)

Croome, D.J., and C G Bottom, 1969, *Road Traffic Noise - Its Nuisance Value*, Applied Acoustics (2), 279-296.

Croome, D.J. 1967, *An Ionisation Anemometer*, Heating and Ventilating Engineer, April, 511-515.

Croome, D.J., Richards, E.J., and Dunmore, R., 1967, *A Survey of Ventilation System Noise In Lecture Rooms*, Symposium on Heating and Ventilating for a Human Environment, Southampton University Proc I Mech I, **182**, (3E), 138-151.

Croome, D.J., 1966, *Chimney Design*, J Inst Heat Vent Engrs, **34**, 165-174. (Awarded Graduate Premium)

Croome, D.J., 1963, *Some Investigations into the Performance of Medium Temperature Radiant Heating Sources*, J Inst Heat Vent Engrs **31**, 99-109. (Awarded IHVE Graduate Diploma for this paper).

REFEREED CONFERENCES

Keeling T, Roesch EB, Clements-Croome D and Keelin A., 2015, **Field studies of occupant experience in seven UK offices**. The 7th International Conference of SuDBE. Reading

[Clements-Croome](#), D.J., 2012. **Keynote Address**, (Paper & Lecture), *Intelligent Sustainable Liveable Cities*. 2012 Eighth International Conference on Intelligent Environments, Guanajuato, México, June 26-29, pp.1-9, IEEE 2012, ISBN 978-1-4673-2093-1
<http://dx.doi.org/10.1109/IE.2012.65>

Keeling, T., Clements-Croome, D., Luck, R. & Pointer, P. 2012, **A review of how sensory design can influence wellbeing and productivity** 2012 CIBSE ASHRAE Technical symposium, 18-19 April 2012 London, UK. London: CIBSE.

Keeling, T., Clements-Croome, D., Luck, R. & Pointer, P., 2012, **How the sensory experience of buildings can contribute to wellbeing and productivity**, In: Nicol, F., ed. The changing context of comfort in an unpredictable world 12-15 April 2012 Windsor, UK. London, UK: NCEUB.

Keeling, T; Clements-Croome, D; Luck, R; Pointer, P, 2012, A review of what data from sensors worn on the body can tell us about human behaviour, TSBE Engineering Doctorate Conference 2012

Clements-Croome, D.J., Mumovich, D., MacMillan, S., Samad, Z.B.A., 2010, *Designing Intelligent Schools*, CIB World Congress Building a Better World at Salford Quays, May **10-13**, **Book of Abstracts page 147, ISBN 978 1 905732 90 6**

Gilder, J. and Clements-Croome, D.J., 2010, *Bio Inspired Intelligent Design for the Future of Buildings*, W098 & W111 – Special Track 18th CIB World Building Congress, CIB, Salford.

John, G., Liyanage, C., Clements-Croome, D.J., 2010, *Supportability in the Built Environment; Enhancing the Life Cycle Performance of Building Facilities*, Proceedings: W070 - Special Track 18th CIB World Building Congress (combined with TG58), 10-13 May 2010, Salford, UK

John, G., Clements-Croome, D.J., and Howe, J., 2010, *A Conceptual Approach to Determine Optimal Indoor Air Quality: A Mixture Experiment Method*. In: Clima 2010 Rehva World Congress, 9-12 May 2010, Antalya, Turkey.

Booy D., Elmualim A., Clements-Croome DJ, Horner K, Perry K., 2009, *Effective Space*

Management for Facilities Management using Computer-Aided Solutions, SASBE: 3rd International CIB conference on Building Smartly in a Changing Climate-Delft, The Netherlands, June 15-18 2009.

Booy D., Elmualim A., Clements-Croome DJ, Horner K, Perry K., 2009, *Variability in the Application of Space Management Tools for Facilities Managers*, Fifth International Conference on Construction in the 21st Century (CITC-V)“Collaboration and Integration in Engineering, Management and Technology” May 20-22, Istanbul, Turkey

Clements-Croome , D. J., 2009, *Challenges and Opportunities for Intelligent Buildings in the 21st Century: An Energy Focus*, Green and Energy Efficient Buildings: Preparing for the Challenges of Copenhagen, IET and BETNET Seminar on; 01/2009. 1-86. IET.
doi: [10.1049/ic.2009.0222](https://doi.org/10.1049/ic.2009.0222)

March, P., Clements-Croome, D. and Yao, R. (2009) An investigation of development of intelligent buildings in Bahrain. In: The International Conference in Sustainable Development in Building and Environment , Chongqing, China.

Lu, X. S., Clements-Croome, D. and Viljanen, M. 2008. *A study on intelligent building models*. In: Liu, J. J., Zhang, T. F. and Zhai, Z. Q. (eds.) First International Conference on Building Energy and Environment, Proceedings Vols 1-3. Dalian Univ Technol Press, Dalian, pp. 1803-1810. ISBN 9780981688169

Clements-Croome, D., Lu, X. S. and Viljanen, M. (2008) *A perspective on chaos theory: Potential applications to intelligent buildings*. In: Liu, J. J., Zhang, T. F. and Zhai, Z. Q.(eds.) First International Conference on Building Energy and Environment, Proceedings Vols 1-3. Dalian Univ Technol Press, Dalian, pp. 1811-1818. ISBN 9780981688169

Bakó-Biró, Z., D.J., Clements-Croome, Kochhar, N., Awbi, H.B. and Williams, M. 2008. *Ventilation rates in schools and pupil's performance using computerised assessment tests*, Indoor Air 2008, 17-22 August, Copenhagen, Denmark - Paper ID: 880

Bakó-Biró Z, Kochhar N, Clements-Croome D, Awbi H, Williams M, 2007. *Ventilation Rates in Schools and Learning Performance*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Cardellino P, Clements-Croome D, 2007. *Design Quality in Schools: Identifying Suitable Procurement and Briefing Processes*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Chen Z, Clements-Croome D, 2007. *An Intelligent Decision Support System for the Design and Construction of Building Envelopes*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Tamás G, Clements-Croome D, Wu S, 2007. *The Use of Wireless Data Communication and Body Sensing Devices to Evaluate Occupants' Comfort in Buildings*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Mao W, Clements-Croome D, Mao L, 2007. *A Sense Diary System for intelligent Buildings*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Noy P, Liu K, Clements-Croome D, 2007. *Using Semiotics to Understand the Interplay between People and Buildings*. In: Proceedings of Clima 2007 WellBeing Indoors, Helsinki.

Yong, C.Y., Qiao, B., Wilson, D.J., Wu M., Clements-Croome, D.J., Kecheng Liu, Richard Egan, and Chris G. Guy(2007), *Co-ordinated Management of Intelligent Pervasive Spaces*, in Proceedings of the 5th IEEE International Conference on Industrial Informatics (*INDIN*), 23rd-27th, July 2007, in Vienna, Austria, accepted for publication and forthcoming (indexed by EI). doi:10.1109/INDIN.2007.4384813

Wu S, Clements-Croome, D. J., 2007, *Estimating the Relationship among occupant behaviours and indoor environmental parameters using Bayesian networks*, In: Proceedings of Clima 2007 Wellbeing Indoors , Helsinki,

Bahaj AS, James PAB, Jentsch MF, Clements-Croome DJ, Chen Z, Noy P, Wu S, Jones K, Cooper J, Kaluarachchi Y., 2006, **Sustainable refurbishment: quantifying the impact of façade changes in multi-storey, multi-occupancy buildings**, **Proceedings World Renewable Energy Congress (WREC-IX)**, University of Florence, 19-25 August 2006.

Chen, Z.; Clements-Croome, D. J.; Hong, J.; Li, H.; Xu, Q., 2006, *A Review of Quantitative Approaches to Intelligent Building Assessment*. Energy Systems Laboratory (<http://esl.tamu.edu>); Texas A&M University

Clements-Croome, D.J., 2006, **Keynote Address, Green Intelligent Buildings to Meet Sustainability Agenda**, Proceedings of 4th International Congress on Intelligent Building Systems INBUS 2006, Krakow, Poland, pp 15-26, ISBN 83-88934-99-6

Clements-Croome, D. J., 2006, **Keynote Address**, (Paper & Lecture), *Green Intelligent Buildings: An Energy Focus*, Proceedings of Second International Intelligent, Green and Energy Efficient Building and Technologies and Products Conference, pp. 397-415, Beijing, March 28-30 (UK Commissioner for Ministry of Construction). (ISBN 7-112-0895-9)

Clements-Croome, D. J., 2006, **Keynote Address**, (Paper & Lecture), *Green Intelligent Buildings: An Energy Focus*, Proceedings of The International Conference on Asia-European Sustainable Urban Development, Chongqing, China 4-6 April, pp 32-38 (ISBN 0-93248-03-4)

Clements-Croome, D.J., Wu, Min., Li Shi Rong., 2006, *A Sensor Based Intelligent Building Assessment Model* In: Zhao, Z. Y., Yu, M. X., Feng, C. C. and Duan, L. L. (eds.) Proceedings of CRIOCM International Research Symposium on Advancement of Construction Management and Real Estate, Vols 1 and 2. Hong Kong Polytechnic Univ, Kowloon, pp. 91-99. Beijing Nov 3-5. ISBN 9623675364

Chen, Z., Clements-Croome, Hong, J., Li, H., Xu, Q., 2006, *A review of Intelligent Buildings Assessment*, Proceedings of Second International Intelligent, Green and Energy Efficient Building and Technologies and Products Conference, British Papers, pp 448-458, Beijing, March 28-30 (ISBN 7-112-08095-9)

Chen, Z., Clements-Croome, D.J., Liu, K. and Sun, L. (2006) An intelligent decision support system for well-being and energy-saving oriented building performance assessment. In: Proceedings of NCEUB International Conference on Comfort and Energy Use in Buildings, Windsor, United Kingdom.

Chen, Z., Clements-Croome, D. J., and Özkan, G., 2006, *A Casebase for E-learning in Intelligent Buildings*, The International Conference on Asia-European Sustainable Urban Development ,Chongqing, China 4-6 April

Hong, J., Chen, Z., Li, H., Clements-Croome, D.J. and Xu, Q., 2006, *A knowledgebase for the study of intelligent buildings*. In: Bear 2006: Construction Sustainability and Innovation, Shangri-la Hotel, Kowloon, Hong Kong.

Noy, P., Liu, K., Clements-Croome, D.J. and Qiao, B., 2006, Design Issues in Personalizing Intelligent Buildings. In: Proceedings of 2nd International Conference on Intelligent Environments (IET), Athens, Greece, 143 - 149

Sun, S., Zhen, Z., and Clements-Croome, D., J., 2006, *Planning the Sustainable Eco-City in Taipei: the Implementation of Green Design and Green building Schemes*, Proceedings of Second International Intelligent, Green and Energy Efficient Building and Technologies and Products Conference., British Papers, pp 14.1-14.10, Main Processing, pp 448-458, Beijing, March 28-30

Sun, S.L., Chen, Z. and Clements-Croome, D.J., 2006, *The Green Building Scheme for a Sustainable Eco-city in Taipei*. In: 6th International Conference for Enhanced Building Operations, Shenzhen, China.

Wu, S., and Clements-Croome, D. J., 2006, *Reliability Design for Building Services*, Proceedings of Second International Intelligent, Green and Energy Efficient Building and Technologies and Products Conference, pp 257-265, Beijing, March 28-30

Chen, Z., Clements-Croome, D.J., Kaluarachchi, Y., Jones, K.G., Hong, Ju., 2005, *Facade Choice: a Decision-making Model for Innovation and Environmental Sustainability in the design and renovation of building envelopes*. Proceedings of CISBAT 2005. 28-29/09/2005, Lausanne, Switzerland. 13-18.

Chen Z., Clements-Croome, D.J., Hong, J., Li, H., Kaluarachchi Y., Jones, K.G., James, P.A., Jentsch, M. Bahaj A.S., 2005, *A façade Casebase for Teaching and Learning Intelligent Buildings*. Proceedings of CISBAT 2005. 28-29/09/2005, Lausanne, Switzerland. 581-584.

Chen, Z. and Clements-Croome, D. J., 2005, *A Multicriteria Approach to Intelligent Building Assessment. Case Study Session*. In: The 2005 World Sustainable Building Conference, Tokyo, Japan.

Clements-Croome, D. J., 2005, *Invited Keynote Address*, (Paper & Lecture), *Challenges and Opportunities for Building Services in the 21st Century*, Joint Symposium HKIE, ASHRAE, CIBSE New Challenges in Building Services Hong Kong

Clements-Croome, D. J., John G., Wu, S., Albany, B., Fairey, V., 2005, *Improving the Reliability and Value of Buildings Services*, Chapter 4, REHVA Report 1, Workshop at Clima 2005, Oct 10-12th, Lausanne, 31-36 (ISBN 2-9600-468-4-6)

Clements-Croome, D. J. 2005, *Assessing performance of green intelligent buildings*. In: 1st International Intelligent & Green Building Technologies and Products Conference and Expo, Beijing.

- John, G., Clements-Croome, D.J., 2005, *Innovative Approach to Building Systems Integration Problems: Using Systems Theory, Technological Forecasting and Scenario Planning*, 3rd International Conference, Innovation in Architecture, Engineering and Construction (AEC), Rotterdam, 15-17 June 2005, Proceedings 385-394, ISBN 90-8559-057-4
- Kaluarachchi, Y., Jones, K., James, P.A.B., Jentsch, M., Bahaj, A.S., Clements-Croome, D., and Gann, D., 2005, *Building Facades: Issues of Sustainability, Maintenance and Refurbishment* (SUE-IDCOP), EPSRC SUE-IDCOP Research Fellow Conference SUE Vision into Action, University of Birmingham, 28 Feb-2 March.
- Kaluarachchi, Y., Jones, K., James, P.A.B., Jentsch, M., Bahaj, A.S., Clements-Croome, D., and Gann, D., 2005, *Building Facades: Issues of Sustainability, Maintenance and Refurbishment* (SUE-IDCOP) .Proceedings of Institution of Civil Engineering. ISSN 0020-3262 doi: 10.1680/ensu.158.2.89.67119
- Wu, S., Clements-Croome, D.J., *An Imperfect Maintenance Model*. Institute of Mathematical Applications Journal of Management Mathematics, Doi:10.10 93/imanan/dpi036
- Wu, S., Clements-Croome, D.J., 2005a, *Burn-in Policies for Products Having Dormant States*. The Fourth International Conference on Quality and Reliability. Beijing Institute of Technology, August 9-11, Proceedings, pp 567-573, ISBN 781045-742-X <http://dx.doi.org/10.1016/j.res.2006.04.003>
- Wu, S., Clements-Croome, D.J., 2005b, *Critical Reliability Issues for Building Services Systems*. The Fourth International Conference on Quality and Reliability. Beijing Institute of Technology, Proceedings, pp 549-566, ISBN 7--81045-742-X.
- Clements-Croome, D.J., 2004, **Invited Honorary Presidential Keynote Address, *The Concept of Intelligent Buildings***, 3rd International Congress at University of Krakow, May 20-21 in Proceedings on Intelligent Building Systems, 21-48 (ISBN: 83-88934-51-1).
- Clements-Croome, D J, 2004, *Environmental Quality and the Productive Workplace* (second edition), CIB World Congress, Toronto, May 2-7
- Clements-Croome, D.J., John, G., Loy, H. and Wu, S. 2004. Building Performance of Intelligent Buildings. In: CIB World Building Congress 2004: Building for the future. Toronto, Canada.
- John, G.A., Loy, H.M., Clements-Croome, D.J., Fairey, V. and Neale, K. 2004. A Systems Thinking Approach for Performance Based Buildings. In: CIB World Building Congress 2004: Building for the future, Toronto, Canada.
- John, G., Clements-Croome, D., 2004, *Delivering Sustainable Building Solutions: Lessons from the Natural World*, CIBSE / ASHRAE Conference, Excel Conference Centre Greenwich UK, 29-30 September.
- John, G., Clements-Croome, D., 2004, *Dynamic Façade for Sustainable Architecture*, SET – 3rd International Conferences on Sustainable Energy Technologies, Nottingham, UK, 28-30 June.
- Jones, K., Clements-Croome, D.J., Bahaj, A.S. and Gann, D.M., 2004, [*Achieving a sustainable urban environment: working with existing buildings*](#). In, **CIB W70, Human Elements in facilities management – Understanding the needs of our customers**, Hong kong, 07 - 08 Dec 2004. , 103-110.
- Wu, S., Loy, H.M., John, G.A., and Clements-Croome, D.J., 2004, *A Novel Repair Model for Imperfect*

Maintenance, Proceedings of 5th Int. Mathematics and its Applications & Reliability Conference, University of Salford, April 5-7, Ed. Scarf, P., et al., 273-278.

Clements-Croome, D.J., 2003, **Invited Keynote Address, *Environmental Quality and the Productive Workplace***, CIBSE/ASHRAE Proceedings of Conference on Building Sustainability, Value and Profit, Edinburgh September 24-26.

Clements-Croome, D.J., 2003, ***Environmental Quality and the Productive Workplace***, Healthy Buildings 7th International Conference, Proceedings of Conference on Energy-Efficient Healthy Buildings 2003, ed Tham, et al, National University of Singapore, December 7-11, 262-266 (ISBN: 981-04-9974-4)

Clements-Croome, D.J., Jones, K.G., John, G., et al., 2003, ***Through Life Environmental Business Modelling for Sustainable Architecture***, CIBSE Proceedings of Conference on Building Sustainability, Value and Profit, Edinburgh September 24-26. **Awarded Best Poster Paper.**

Clements-Croome, D.J., Bahaj, A.S., James, P.A.B., Jones, K., Gann, D.M., 2003, **Responsive Building Envelopes for the Urban Environment**, Proceedings of CISBAT, October 8th, Swiss Federal Institute of Technology (EPFL), Lausanne, 85-90.

John, G.A., Loy, H.M., Clements-Croome, D.J., Fairey, V., Neale, K., 2003, ***Ageing Gracefully: How can a Whole Life Support Services Framework Enhance the Life of the Building Services Systems?***, Healthy Buildings 7th International Conference, Proceedings of Conference on Energy-Efficient Healthy Buildings 2003, ed. Tham, et al, National University of Singapore, December 7-11, 417-422 (ISBN: 981-04-9974-04)

Jones, K., Clements-Croome, D.J., Bahaj, B., and Gann, D., 2003, **Improving Sustainability of Existing Buildings**, Second International Conference on Construction in the 21st Century: Sustainability and Innovation in Management and Technology, Dec.10-12, Hong Kong.

Clements-Croome, D.J., 2002, **Keynote Address, *Healthy Buildings for Creative and Productive Workplaces*, and *Intelligent Buildings and Sustainability***, Krakow University, May 13th Proceedings 2nd International Congress on Intelligent Building Systems, In BUS 2002, (ISBN 83-88934-23-6)

John, G., Loy, H., Clements-Croome, D., Fairey, V., and Neale, K., 2002 ***Enhancing the Design of Building Services for Whole Life Performance***, CIBSE National Technical Conference Part 2, The Royal College of Physicians, London, UK. <http://www.cibse.org>

John, G., Loy, H., Clements-Croome, D., Fairey, V., and Neale, K., 2002 ***Through Life Support for Building Services Systems***, International Federation of Operational Research Societies, 16 Triennial Conference, OR In a Globalised Network World Economy, Edinburgh, 8-12 July, p.163. <http://www/ifors2002.org>.

Clements-Croome, D.J., 2001, **Invited Keynote Address as Honorary President, *Intelligent Buildings for the 21st Century***, Proceedings of *Intelligent Building Systems* Congress, Krakow, April 9-10, 15-20 (ISBN: 83-86050-94-2)

Clements-Croome, D.J., 2001, ***Influence of Social Organisation and Environmental Factors and Well-being in The Office Workplace***, Clima 2000, 7th World Congress, 15-18 September (Chairman and UK Ambassador); see Italian reference in 2002. (Selected for Italian refereed Journal)

Clements-Croome, D.J., 2001, ***Electromagnetic Radiation and Comfort in the Workplace***, Clima,

2000, 7th World Congress, 15-18 September.

Clements-Croome, D.J., 2000, **Invited Keynote Address, *Intelligent Buildings for the 21st Century***, , Proceedings of International Symposium, Air-Conditioning in High Rise Buildings 2000, 32-38 Shanghai, 24-27 October (ISBN 2-913149-07-3).

Clements-Croome, D.J., 2000, *Air Quality in Buildings*, Ibid.

Clements-Croome, D.J., 2000, *Indoor Air Quality and Well-Being*, Ibid.

Clements-Croome, D.J., 2000, ***Innovation and Research for Buildings***, Technology Watch and Innovation in the Construction Industry, Brussels, April 4-6. (International Scientific Adviser).

Clements-Croome, D.J., 2000, ***Computers and Health in the Work Place***, Proceeding of Healthy Buildings 2000, Helsinki, University of Technology, August 6-10, Vol.1, 119-124 (ISBN 952-5236-06-04).

Clements-Croome, D.J., Li, B., 2000, ***Productivity and Indoor Environment***, Proceeding of Healthy Buildings 2000, Helsinki, University of Technology, August 6-10, Vol.1, 629-634. (ISBN 952-5236-06-04).

Clements-Croome, D.J., 2000, ***Szazad Intelligens Épületei (Intelligent Buildings for the 21st Century)***, Magyar Épületgépészet, XLIX, 12, 11-14, (HU ISSN 1215 9913) in Hungarian.

Clements-Croome, D.J., 1999, ***Education Needs for Intelligent Building Strategists***, Proceedings of CIB Working Commission W098 International Conference on ***Intelligent and Responsive Buildings***, Bruges, March 29-30, 105 - 112 (ISBN 90-76019-09-6).

Clements-Croome, D.J., 1999, ***The Productive Workplace***, Proceedings of CIB Working Commission W098 International Conference on ***Intelligent and Responsive Buildings***, Bruges, March 29-30, 159 - 166. (ISBN 90-76019-09-6).

Clements-Croome, D.J., 1999, Kaluarachchi, Y., ***An Assessment of the Influence of the Indoor Environment on the Productivity of Occupants in Offices***, Proceedings of Indoor Air 99, 8th International Conference in Edinburgh, Volume 4, 588-593 (ISBN 1 86081-295 3).

Clements-Croome, D.J., 1998, ***Education Needs for Intelligent Building Strategists***, in Proceedings of EIBG Conference; Intelligent Buildings: Realising the Benefits, BRE, October 6-8.

Clements-Croome, D.J., 1997, ***Developing an MSc in Intelligent Buildings*** in Proceedings of Second Engineering Education Conference, 24-27 March, Sheffield, 76-79 (ISBN 0-86339-6984) Editors: Bramhall and Robinson.

Clements-Croome, D.J., 1997, ***Specifying Indoor Environment Design Criteria***, Proceedings of Clima 2000, Brussels, 30 August - 2 September, also Proceedings of 28th Int. Congress on Heating, Ventilating and Airconditioning in Belgrade, 86-93, 3-5 December.

Clements-Croome, D.J., 1997, ***Assessment of the Influence of Indoor Environment on Job Stress and Productivity of Occupants in Offices***, Proceedings of Healthy Buildings/IAQ'97, Washington D.C., September 27 - October 2.

- Clements-Croome, D.J., 1996, **Keynote lecture, *Future Horizons in Building Environmental Engineering***, Proceedings of CIBSE National Conference, Harrogate, September 29th, Volume 1, 1-11, (ISBN0900953756).
- Clements-Croome, D.J., 1996, ***Indoor Air Quality by Gas Chromatography***, Proceedings of 5th International Conference on Air Distribution in Rooms, Yokohama, Japan, July 17-19, Volume 2, 75-81 (ISBN4-924557-01-3).
- Clements-Croome, D.J., Li., B., 1996, ***Specifying Indoor Climate Data***, Proceedings of Indoor Air '96, Volume 1, 995-1000, Nagoya, Japan, 21-26 July 1996. (ISBN 4-9900519-1-2). Ibid.
- Clements-Croome DJ., 1996, ***Future horizons in building environmental engineering: A comprehensive and thought provoking presentation of how technology has been viewed at various stages of civilization with particular reference to environmental systems, both active and passive. A number of case studies are included***, Building research and information 24 (2), 86-96, DOI:10.1080/09613219608727507
- Perera M D A E S, Gilham A V, Clements-Croome T D J, 1996, ***Natural Ventilation in the United Kingdom: Design Issues for Commercial and Public Buildings***, Building Services Engineering Research and Technology, February, 17: 1-5,doi: 10.1177/014362449601700101
- Yao, R., Li, B., Clements-Croome, D.J., Li, B., 1996, ***Analytical Process Model for Assessing Priority Indoor Environmental Factors Influencing Well-Being of Occupants in Offices***, Volume 2, 913-918, (ISBN 4-9900519-2-0). Ibid.
- Chen, Q., Clements-Croome, D.J., et al., 1996, ***Healthy Buildings Since Ancient China***, Volume 3, 741-746, ibid. (IBN 4 – 9900519-3-9)
- Clements-Croome, D.J., Chung, K.W., 1996, ***Experimental and Numerical Study on the Thermal Behaviour of Hydronic Ondol Heating Systems***, Proceedings of International Ondol Conference, 370-377, Seoul, July 28-31 (Society of Airconditioning and Refrigerating Engineers of Korea).
- Clements-Croome, D.J., Nyberg, L., 1996, Ibid,***Modern Underfloor Heating***, 443-453, ibid.
- Croome, D. J., 1995, **Keynote Address, *Future Horizons in Building Environmental Engineering***, 2nd International Symposium on Heating Ventilation and Airconditioning Proceedings, Vol. 1, 1-12, Tsinghua University, Beijing, China, September 25th.
- Croome, D. J., 1995, ***Is Comfort Compatible with Health and Well-Being?*** Proceedings of Workplace Comfort Forum, Royal Institution of British Architects, March 22-23 (invited speaker).
- Croome, D. J., Cook, G., 1995, ***Teaching and Learning Innovations: Aspects of Building Services Engineering Design & Management Course***, Proceedings of CIB W89 Symposium Education and Research Beyond 2000, 747-754, Construction and Building at University of Florida, April 5-7.
- Croome, D. J., 1995,***Overview of Research on Indoor Climate Brief Data***, CIBSE Natural Ventilation Group Seminar Proceedings at Reading University, July 11th.
- Croome, D. J., 1995,***Impact of Indoor Environment on Productivity***, Ibid, Vol. I, 118-126, September 27th.

- Croome, D. J., Baizhan, L., 1995, *The Prediction of Indoor Climate for Occupant Cooling in Ventilated Buildings* Ibid, Vol. 2, 442-448, September 25th.
- Croome, D.J., Gan, G., 1994, *Thermal Comfort Models Based on Field Measurements*, ASHRAE Winter Annual Meeting, Denver, USA. (
- Croome, D.J., 1994, *The Effect of Geopathic Stress on Building Occupants*, Proceedings of World Renewable Energy Congress, 993 – 996, Part II, University of Reading, 11-16 September, ed.Sayigh (Pergamon)
- Croome, D.J., McCartney, K., 1994, *A Study of the Effects of User Controlled Localised Environmental Systems on Comfort, Energy and Productivity*, Proceedings of Healthy Buildings '94, 22-25 Aug, 273 - 279, Vol 1, Budapest edited L. Banhidi et.al.
- Croome, D.J., Perara, MDAES, Gilham, A.V, 1994, *Design Issues for Natural Ventilation in the UK*, Proceedings of CIBSE National Conference, Brighton, Vol II, 83 - 89.
- Croome, D.J., Gan, G., Awbi, H.B., 1994, *Saving Energy with Improved Comfort in Offices*, 6th International Conference on Indoor Air Quality and Climate, Helsinki, Finland, 4-8 July. **6**, 103-108.
- Croome, D.J., Gan, G., Swaid, H., Awbi, H.B., 1993, *Energy Implications of Thermal Comfort Standards*, Building Design, Technology and Occupant Well-Being in Temperate Climates Conference, Brussels, Belgium, 17-19 February.
- Croome, D.J., Swaid, H., 1993, *Comparison Between the Performance of Task and Zonal Environmental Control Systems in Office Buildings*, 6th International Conference on Indoor Air Quality and Climate, Helsinki, Finland, 4-8 July. **5**, 461-466.
- Croome, D.J., Gan, G., Awbi, H.B., 1993, *Thermal Comfort and Air Quality in Offices*, 6th International Conference on Indoor Air Quality and Climate, Helsinki, Finland, 4-8 July. **6**, 37-42.
- Croome, D.J., 1993, *Current and Future Horizons in Innovative Technology for the Construction Industry*, 7th CIB W-65 International Symposium Organisation and Management of Construction - The Way Forward, University of the West Indies, 15-22 September. **2**, 1227-1234.
- Croome, D.J., 1993, *Environmental Concerns for the Construction Industry*, 7th CIB W-65 International Symposium Organisation and Management of Construction - The Way Forward, University of the West Indies, 15-22 September. **2**, 1329-1340.
- Croome, D.J., 1993, *Environmental Concerns for the Construction Industry*, CLIMA 2000, London, 31 October - 3 November.
- Croome, D.J., 1993, *Education for the Built Environment*, CLIMA 2000, London, 31 October -3 November.
- Croome, D.J. 1993, *Current and Future Horizons in Innovative Technology for the Construction Industry*, CLIMA 2000, London, 31 October - 3 November. (100%)
- Croome, D.J., Swaid, H., 1993, *Heating of Buildings by Microwaves*, CLIMA 2000, London, 31 October - 3 November.

- Croome, D.J. Swaid, H., 1993, *The Potential of User-Controlled Environmental Systems*, CLIMA 2000, London, 31 October - 3 November.
- Croome, D.J., Gan, G., Awbi, H.B., 1993, *A Case Study of Thermal Comfort in Naturally Ventilated Offices*, CLIMA 2000, London, 31 October - 3 November.
- Croome, D.J., Gan, G., Awbi, H.B., 1993, *CFD Simulation of the Indoor Environment for Ventilation Design*, ASME Winter Annual Meeting - Transport Phenomena in Indoor Environments, 28 November-3 December, New Orleans, Louisiana.
- Croome, D.J., and Swaid, H., 1992, *Energy and Comfort Characteristics of User-controlled, Localized Environmental Systems (UCLES)*, Proceedings of CIB '92 World Building Congress, Montreal: Session 3B, **2**, 400-403.
- Croome, D.J., 1992, *Impact of Innovative Technology upon the Construction Industry*, Proceedings of CIB '92 World Building Congress, Montreal: Session 5C, **2**, 685-688.
- Croome, D.J., 1992, *Environmental Impact on the Construction Industry*, Proceedings of CIB '92 World Building Congress, Montreal: Session 3A, **1**, 356-359.
- Croome, D.J., and Gan, G., and Awbi, H.B., 1992, *Evaluation of Thermal Comfort and Indoor Air Quality*, Proceedings of CIB '92 World Building Congress, Montreal: Session 3B, **2**, 404-406.
- Croome, D.J., Swaid, H., 1992, *Heating of Buildings by Microwaves*, Proceedings of CIB '92 World Building Congress, Montreal: Session 3C, **2**, 439-442.
- Croome, D.J., Gan, G., Awbi, H.B., 1992, *Prediction of Air Flow and Thermal Comfort in Offices*, Proceedings of International Symposium of Room Air Convection and Ventilation Effectiveness (ISRACVE), Japan, University of Tokyo, 570-575.
- Croome, D.J., Gan, G., Awbi, H.B., 1992, *Air Flow and Thermal Comfort in Naturally Ventilated Offices*, Roomvent '92, 3rd International Conference on Air Distribution in Rooms, Aalborg, Denmark: **3**, 401-417.
- Croome, D.J., Gan, G., Awbi, H.B., 1992. *Evaluation of Thermal Comfort and Indoor Air Quality*, Proceedings of World Renewable Energy Congress, University of Reading, 13-18 September,
- Croome, D.J., Gan, G., Awbi, H.B., 1992, *Comfort Assessment in a Naturally Ventilated Office*, Proceedings of World Renewable Energy Congress, University of Reading, **4**, 1854-1869.
- Croome, D.J., Gan, G., Awbi, H.B., 1992. *Field Evaluation of the Indoor Environment of Naturally Ventilated Offices*, Proceedings of 13th AIVC Conference, Nice.
- Croome, D.J., Gan, G., Swaid, H., Awbi, H.B., 1992. *Energy Implication of Comfort Standards*, Proceedings of CIB W67 Energy Conservation in the Built Environment, Manchester: (
- Croome, D.J., Cook, G.K., 1992, *Building Services Engineering Design and Management Undergraduate Course*, Proceedings of Third World Conference on Engineering Education, University of Portsmouth, **3**, 485-490.(ISBN 1-85312-192-4)

Croome, D.J., Cook, G.K., Curtis, M., 1992, *Experiential Learning Via Projects Planned by University and Industry*, Proceedings of Third World Conference on Engineering Education, University of Portsmouth, **3**, 553-558.(ISBN 1-85312-192-4)

Croome, D.J., Cook, G.K., Poole, S.E., 1992, *Foreign Language Learning for Engineers*, Proceedings of World Conference on Engineering Education, University of Portsmouth, **1**, 267-272.(ISBN 1-85312-190-8)

Croome, D.J., *Environmental Impact on the Construction Industry*, in Environmental Engineering - A Challenge for Europe, Proceedings of Seminar in Vienna, 15-16 June 1992, Ed Bahnmueller, Horvat and Jansen (SEFI, Brussels), 109-113.

Gan, G., Croome, D.J., Awbi, H.B., 1991, *Airflow and Thermal Comfort in Naturally Ventilated Classrooms*, 12th AIVC Conference, Ottawa, Canada, 24-27 September, Proceedings **3**, 161-177.

Gan, G., Croome, D.J., Awbi, H.B., 1991, *Airflow and Contaminant Distribution in Buildings and Numerical Prediction of Contaminant Distribution in Ventilated Rooms*, Ventilation '91, Cincinnati, USA, 16-20 September, Session 4C.

Awbi, H.B., Croome, D.J., Gan, G., 1991, *Simulation of Airflow in Naturally Ventilated Classrooms*, Building Simulation '91, Nice, Sophia-antipolis, France, 20-22 August, Session S.2.1 Fluid Flow Modelling, Proceedings 78-84 (edited by Clarke et al), published by Int. Building Performance Simulation Association.

Croome, D.J., Swaid, H., Minakovic, B., 1991, *Preliminary Investigation into the Potential of Microwave Heating for Low Energy Buildings*, Habitat for the 21st Century, Int. Association for Housing Science, 23-27 September, Ales, France. Proceedings **1**, 61-70.

Croome, D.J., 1991, *Education for the Built Environment*, Cambridge University, 11-13 September, sponsored by the Ove Arup Foundation.

Croome, D.J., 1990, *Energy, Environment and Human Development in the Arab World*, Energy Conservation in Buildings Proceedings of Northsun '90, 18-21 September, 6-23 (Pergamon Press), also in Energy and the Environment, Solar & Low Energy Architecture, (Pergamon Press), **4**, 2229-2238.

Croome, D.J., 1990, *Environmentally Responsive Architecture*, Proceedings of High Tech Building's Conference, 6-8 June, London, 161-166.

Croome, D.J., Zainal, M., 1990, *Building Planning and Ventilation: The Effects of Natural Ventilation via Windows and Doors Linked by Corridor/Passage-way*, Proceedings of Roomvent '90, Oslo, Norway, Session D2 Paper 67, 1-14

Croome, D.J., Zainal, M., 1990, *Ventilation Characteristics for Buildings*, Proceedings of 5th International Conference on Indoor Air Quality and Climate, Indoor Air '90, Toronto, Vol.4, 503-508. (50%)

Croome, D.J., Zainal, M., 1990, *Ventilation Characteristics of Selected Type of Buildings and Indoor Climate*, Proceedings of 11th AIVC Conference, Belgrate, Italy, 18-21 September, **2**, 195-210.

Croome, D.J., Halliday, S.P., 1989, *Energy Performance of Industrial Gas-Fired Radiant Heating Systems*, Proceedings of CLIMA 2000, Heating Components and Systems, **II**, 104-109.

- Croome, D.J., Karimi, M.S.R., Wilson, A.J., 1989, *Thermal Performance of Industrial Radiant Heaters*, Proceedings of CLIMA 2000, Heating Components and Systems, **II**, 116-121.
- Croome, D.J., Halliday, S.P., 1989, *Thermal Comfort in Factories with Overhead Radiant Heating*, Proceedings of CLIMA 2000, Airconditioning Components and Systems, 1989, **III**, 55-60.
- Croome, D.J., 1989, *People, Environment and Buildings*, in Proceedings of XIth Inst CIB Congress, Paris, 19-23 June on Quality for Building Users Throughout the World, **1**, 131-142.
- Croome, D.J., *Climate, Buildings and People*, in Proceedings of High Tech Buildings Conference 6-8 June at Tara Hotel, London.
- Croome, D.J., Rollason, D.H., 1988, *Freshness, Ventilation and on Temperature in Offices*, Proceedings of CIB Conference on Healthy Building '88, Stockholm, **2**, 393-402.(ISBN 91-540-4933-4)
- Croome, D.J., Halliday, S.P., *Human Response to Overhead Radiant Heating in Factory Spaces*, Proceedings of CIB Conference Healthy Buildings 88, Systems, Materials and Policies for Healthier Indoor Air, Stockholm, **3**, 67-77.
- Croome, D.J., *Covered Northern Townships*, International Symposium on Cold Region Development, Harbin, China, 9-13 August.
- Croome, D.J., 1988, *A Comparison of Upward and Downward Air Distribution Systems*, AIVC Proceedings of Effective Ventilation Conference at Gent 12-15 September, **2**, 1-10, and also in Proceedings of Ventilation 88, 2nd International Symposium of Ventilation for Contaminant Control at Imperial College of Science and Technology, 20-23 September. Published by Pergamon, 433-438.
- Croome, D.J., Chesham, D.J., 1988, *Comparison of Upward and Downward Air Distribution Systems*, Proceedings of Third International Congress on Building Energy Management, Lausanne, **3**, 28 September - 2 October 144-153.
- Croome, D.J., Lin, Z.X., and Rowlinson, D., 1987, *Improved Method for Air-movement Design*, Proceedings of Room Vent 87 Conference, Royal Institute of Technology, Stockholm, **1**, 1987, 10-12 June, 10-19.
- Croome, D.J., Lin, Z.X., and Rowlinson, D., 1987, *Supply Characteristics of Floor Mounted Diffusers*, Proceedings of Room Vent 87 Conference, Royal Institute of Technology, Stockholm, **2a**, 1987, 10-12 June, 1-22.
- Croome, D.J., 1987, *Planning for Centres of Excellence in Building Environmental Engineering*, CIBSE Education Conference at University of Strathclyde.
- Croome, D.J., Chesham, D.J. 1987, *Occupant Behaviour and Energy Consumption in Secondary Schools*, Proceedings of Third International Congress on Building Energy Management, Lausanne, **2**, 28 September - 2 October 349-355.
- Croome, D.J., and Moseley, P., 1986, *A Comparison of Temperature Prediction Methods for Lightweight Structures*, Proceedings Fifth International CIB Symposium, The Use of Computers for

Environmental Engineering Related to Buildings, Bath, 7-9 July, 459-472.

Croome, D.J., 1986, *Environmental Design of Airhouses and Acoustical Design for Flexible Membrane Structures*, Proceedings of International Conference on Lightweight Structures in Architecture arranged by the School of Architecture, University of New South Wales, Sydney, 24-29 August

Croome, D.J., 1985, *Thermal Performance of Inflated Greenhouses*, Proceedings of Greenhouse and Conservatories Conference, International Solar Energy Society, 28 February, Geological Society, London.

Croome, D.J., *Building User Studies in Hospital Wards*, CIB, W17 and W77 Seminar, Controlling the Internal Environment, Budapest, 18-20 September.

Croome, D.J., 1985, *Operating Aspects of Building Services*, Proceedings of Building Appraisal Maintenance and Preservation Symposium, University of Bath, 10-12 July, 234-257.

Croome, D.J., *Operational Aspects of Building Services*, European Building Maintenance Conference, London, 18-19 September. (Modified form of July paper at Bath).

Croome, D.J., 1985, *Optimising the Environmental Design of Airhouses*, Proceedings of CLIMA 2000, 2, 159-165, Copenhagen, 25-30 August.

Croome, D.J., 1985, *The Determinants of Architectural Form in Modern Buildings within the Arab World*, Arab-British Chamber of Commerce, May-September 1985, (selected for award), selected for publication for Building and Environment, 1991,

Croome, D.J., 1985, *Covered Northern Township*, Proceedings of ASHRAE/DoE/BTECC Conference Thermal Performance of the Exterior Envelopes of Buildings III (Session XIV), Clearwater Beach, Florida, 2-5 December in Session XIV, 1985, entitled 'Integration of Architecture and Engineering in Energy Conservation, including Economic Optimisation,' chaired by Professor R D Reed, Department of Architecture, Texas A & M University.

Croome, D.J., 1984, *Secondment to Industry*, World Congress on Education in Applied Engineering and Technology, Cologne, 16-19 April.

Croome, D.J., Sinclair, V.J., 1984, *An Assessment of an Infra Red Energy Meter*, International Thermography Congress, Lucerne, 7-11 May.

Croome, D.J., 1984, *Acoustic Design for Flexible Membrane Structures*, Conference organised by ISE, CIOB, CIBSE and University of Bath, Bristol, 16-18 July.

Croome, D.J., 1984, *Northern Covered Township* at North Sun Conference, Napier College, Edinburgh, 4-7 September.

Croome, D.J., Moseley, P.J., 1984, *Environmental Design of Airhouses*, Proceedings for Conference on the Design of Air Supported Structures. University of Bath.

Croome, D.J., Moseley, P.J., 1984, *Energy and Thermal Performance in Airhouses*, Proceedings for Conference on the Design of Air Supported Structures. University of Bath.

Croome, D.J., 1984, *Energy and Environmental Engineering Education*, European Society for

Engineering Education International Seminar on Energy Studies and Engineering Education, Napier College, Edinburgh, 23-26 October.

Croome, D.J., Moseley, P.J., 1984, *Air Movement and Ventilation Patterns in Airhouses*, Proceedings for Conference on the Design of Air Supported Structures. University of Bath.

Croome, D.J., Cathain, C.S.O., 1982, *Comparison Between the Thermal Performance of Building Underground and the use of External Shading*, Third International Symposium of CIB Working Commission W-67 Energy Conservation and the Built Environment, Dublin, 30 March - 1 April.

Croome, D.J., 1982, *Saving Energy in Hospitals by Co-ordinated Decision Making* (with V J Sinclair) at Second International Congress on Building Energy Management, 30 May - 2 June, Iowa State University.

Croome, D.J., 1981, *Low Energy Building Design* in Proceedings of Symposium Energy, Services and Buildings published by University of Bath for CIBSE South West Region, 3 1-3 32.

Croome, D.J., 1981, *Structures as Climatic Moderators*, International Association of Bridge and Structural Engineers Symposium, Imperial College of Science and Technology, 7-11 September.

Croome, D.J., 1980, *The Sound Emission From Airconditioning Systems* at Institute of Acoustics Annual Conference, Bedford College, London, 10 April.

Croome, D.J., 1980, *Low Energy Building Design*, IEE Proceedings 186 Effective Use of Electricity in Buildings, 29 April - 2 May, 164-175. (

Croome, D.J., 1980, *Environmental and Energy Aspects of Flexible Structures*, Institution of Structural Engineers Symposium, London, 4 June. Air-supported Structures: The State of the Art (with M A Wilkinson).

Croome, D.J., 1980, *Low Energy Building Design* at 8th CIB International Congress on Building Research Worldwide, University of Oslo, 15-20 June.

Croome, D.J., 1979, *The Human Element in the Planning of Living and Working Spaces*, CIBSE Conference Proceedings, May.

Croome, D.J., 1979, *Human Comfort in Buildings*, International Conference on Environmental Psychology, University of Surrey, July.

Croome, D.J., 1978, *Education Plan for the Building Services Industry Eastern Regional Organisation for Planning and Housing*, VI Congress, New Delhi, India, 19-25 February, (refer to CS Chanrasekhara, Secretary General).

Croome, D.J., 1978, *Industry and University Interdependence* (in collaboration with P Wild, Managing Director of Conder M & E Limited) at Conference on Building Environmental Engineering Higher Education, 17-18 April, organised by Loughborough University in collaboration with CIBSE.

Croome, D.J., 1978, *Postgraduate Education: Current Courses, Future Needs*, (with R Shields) at Conference detailed above.

Croome, D.J., 1978, *Man's Response to the Environment*, at CIBSE Symposium, Man, Environment and Buildings Symposium on 28 September, held at Loughborough University. Published in CIBSE Proceedings, 1-20.

Croome, D.J., 1977, *Building Environmental Engineering Education* at European Conference on Environmental Education organised by the Institution of Environmental Sciences, London, 26-28 April.

Croome, D.J., 1976, *Predicting the Sound Emission from Airconditioning and Ventilation Systems*, presented at Ventilation and Airconditioning Conference, 22-27 March, Budapest, also in Applied Acoustics **9**, October 1976.

Croome, D.J., 1975, *The Role of Feedback in Building Design*, Presented at the Institution of Heating and Ventilation Engineers Symposium, Buildings and the User, London, 30 October. (Chairman of the Task Group who planned this Symposium).

Croome, D.J., 1974, *Application of the Articulation Index to the Acoustical Design of Landscaped Offices*, with A D Brook (1974 Environmental Engineering Graduate) in Proceedings of Inter-noise 74 Conference held in Washington DC, USA, October.

Croome, D.J., 1974, *Energy and Buildings*, at Building Design Centre, Nottingham, Conference organised by the Royal Institute of British Architects (East Midlands Branch), 23 October.

Croome, D.J., 1974, *The Role of Acoustics in the Building Design Process*, 7 March, Sessional meeting of East Midlands Branch of Inst Heat Vent Engrs at Nottingham University (also presented at Noise Control Conference, University of Wales, Cardiff, April 1972).

Croome, D.J., 1974, *Environmental Services in Buildings*, at Institution of Electrical Engineers Vacation School called 'The Electrical Engineer's Role in the Planning and Management of Buildings' held at University of Bath, 8-12 September.

Croome, D.J., 1971, *The Environment: Heating, Lighting and Airconditioning*, Materials Control and Economics Conference, London, 7-8 June.

Croome, D.J., 1971, *Acceptable Noise Levels in Doctors' Consulting Rooms*, Paper (24S9) (with Richards and Matthews) Seventh International Congress on Acoustics, Budapest.

Croome, D.J., 1971, *The Role of Appraisal Studies in the Building Design Process*, Conference on the Integrated Design of Buildings, Loughborough University of Technology, 5-6 July.

Croome, D.J., 1971, *Noise Sources in Ventilation Systems*, Proceedings of the Conference on Ergonomics and Physical Environmental Factors, published in Ergonomics and Physical Environmental Factors No 21, in Occupation, Safety and Health Series, International Labour Office, Geneva.

Croome, D.J., 1970, *The Acoustics Environment in Buildings*, University of Reading, International Conference on Working Environment, March.

Croome, D.J., 1970, *The Insulation and Isolation of Buildings From External Noise and Vibration* (with Professor D J Johns), PERA Conference, May.

Croome, D.J., 1968, *The Acoustics in Airconditioning Systems*, International Symposium, London by

HEVAC.

Croome, D.J., 1968, *Noise Sources in Ventilation Systems*, International Symposium on Ergonomics and Physical Environmental, Rome.

Croome, D.J., 1967, *The Problem of Traffic Noise*, International Conference, Ministry of Transport and the British Road Federation, Keele University.

REPORTS

Irving S., Clements-Croome D.J., et. al., 2005, *Natural Ventilation in non-Domestic Buildings*, Application Manual AM10 (Second Edition), Chartered Institution of Building Services Engineers Publications, ISBN 19032876 (Steering Group Contributor and Chairman of Natural Ventilation Group)

Clements-Croome, D.J., 2001, *Intelligent Buildings*, FM Special Report 12, (Butterworth-Tolley).

Clements-Croome, D.J., 1997, Part author, *Natural Ventilation in non-domestic Buildings: Applications Manual AM10*: 101 pages, (ISBN 0 900953772). (Member of Steering Committee and Chairman of Natural Ventilation Group)

Croome, D.J., and Galbraith, P., 1993, *Technology Report - Strategic Study on the Construction Sectors*, for Commission of the European Communities, July.

Croome, D.J., 1992, *Design and Performance of Radiant Heating Systems*, Summaries of Research Reports, Swindon, SERC, 13.

Croome, D.J., Halliday, S.P., 1991, SERC Executive Summary Report *Design and Performance of Industrial Radiant Heating Systems*, Building and Environment Committee.

Croome, D.J., Swaid, H., 1990, *Localised Environments - A Recipe for Healthy Buildings*, Report submitted to the BICC Group (Dr M Tubbs), October.

Croome, D.J., Bennett, J., Atkins, B.A., 1990, *Investing in Britain 2001*, National Contractors' Group.

Croome, D.J., Halliday, S.P., and Lewis, R.T., 1986, *Safety, Comfort and Efficiency of Space and Water Heating Systems at Marbrook Court*, Report published by the University of Bath for London Borough of Lewisham, October 1986, 52.

Croome, D.J., 1983, *Secondment to Industry - A Challenge and a Solution for Those in Further Education* for the Technical Information Service published by the Chartered Institute of Building.

Croome, D.J., Sinclair, V.J., Benham, S.J., 1983, *Reports for DHSS*, No 2, Vol 1, The Development of An Energy Conservation Model Related to Estate Management, No 2, Vol II Appendix. Report No 1 was prepared in March 1982. (Internal publication - University of Technology, Loughborough).

Croome, D.J., Sinclair, V.J., Cathain, C.S.O., 1981, *Review of Passive Techniques of Measuring Ventilation in Occupied Spaces*, SRC Report, March. (Internal publication).

Croome, D.J., 1980, *The Role of Noise Control in Building Services Design*, Institute of Sound and Vibration Review 31/32, August, University of Southampton. (Internal publication).

Croome, D.J., 1967, *Progress in Some Heating and Ventilation Concepts on the Continent*, Institute of Sound and Vibration Memorandum 160, University of Southampton. (Awarded Travel Scholarship in 1966). (Internal publication).

Croome, D.J., 1964, *Research Project No 122 on Air Ionisation*, Brightside Heating & Engineering Co Limited. (Internal publication).

Croome, D.J., 1962, *Research Project No 111 on Single-Pipe Water Distribution Networks*, Brightside Heating & Engineering Co Limited. (Internal publication).

INTERNAL PUBLICATIONS

Croome, D.J., 1966, *The Acoustics of Ventilation Ducts*, MSc Dissertation, London University.

Croome, D.J., 1964, *Wave and Particle Concepts in Physics*, essay inspired by Louis de Broglie unpublished but awarded Undergraduate's Prize.

Derek Clements-Croome
University Reading
July 2015

Keynote Addresses and Lectures and Broadcasts/Press Comment

23 October—November 7th 2016 Lectures and SFE Conference at Chongqing University and PhD viva at Ningbo-Nottingham University, China

13 October 2016 **The Effects of Wearables on Office Workers** at Sheppard Robson

6 October 2016 Launch and lecture with Arup of BCO Report on **The Effects of Wearables on Office Workers** at Wedlake Bell, Queen Victoria St., London EC4V 4AY

14 July 2016 **Health and Wellbeing in Buildings** at BCO ESG Seminar on **Effects of Environment on Health and Wellbeing** held at Hoare Lea and Partners in Kings Cross

7 July 2016 Capita Real Estate Think Tank panel of experts:

Professor Derek Clements-Croome - University of Reading

Nick Forster - operations director - The Ethical Property Company Ltd

Edward Dixon - environment manager - Land Securities

Chiara Del Frate - special counsel - K&L Gates

Tushar Agarwal - co-founder & CEO - Hubble

Adrian Walters - divisional director - Design and Workplace Consultancy - Capita Real Estate

David Parsley - contributing editor - *Property Week* (chair)

7 July 2016 Lecture to students from Georgia Tech. at UCL

5 July 2016 Launch UKGBC Report **Health and Wellbeing for Homes** (see page 14) at Redmond Community Centre, Manor House, London

30 June 2016 Debate on **Wellbeing v Energy**, Ford and Clements-Croome at London South Bank University

21 June 2016 **Intelligent Buildings for the 21st Century**, CIBSE NW Region held in Letchworth Garden City

3 June 2016 CIB W098 **Roadmap for Intelligent and Responsive Buildings** lecture

2 June 2016 CIB W098 Seminar on **Intelligent and Responsive Buildings**, Chair and lecture

2 June 2016 Chair CIB T87

31 May 2016 Panel member for CIB TG88 on **Smart Cities** at CIB World Congress, Tampere, Finland

12/13 May 2016 **People Technology and Health**, BCO Annual Conference at Beurs van Berlage, Amsterdam

29 April 2016 Chair and plan **Benefits of Sensory Gardens for Office Workers**, Green Thinking Week, CIBSE Intelligent Buildings Group at Wellcome Trust

26 January/4 February 2016 **Intelligent Buildings for the 21st Century and Productive Workplaces** at Bath University

21 January 2016 **Designing the Workplace**, SUMMS at Reading University

24 November 2015 **Personalising Intelligent Buildings for Health and Well-Being**, Royal Medical Society

18 November 2015 **Dreosti Memorial Lecture** at Surrey University for Institution of Engineering Technology

- 12 November 2015 **Lead Debate on *Biophilic Cities*** for Rumford Club
- 10 November 2015 **Intelligent Buildings**, Siemens Seminar at Earl St London EC2A 4ES
- 20 October 2015 **Evidence to Design Commission on Health and Well-Being** to All Party Parliamentary Group on Design and Innovation at House of Lords
- 13 October 2015 **Intelligent Buildings for the 21st Century**, Department of Architecture at the University of Kent
- 17 September 2015 ***Dreosti*** lecture at Sheppard Robson London Office
- 7 July 2015 ***Creative Workplaces*** at **Westminster Employment Forum** at Caledonian Club London
- 25 June 2015 **Future Build** Lecture for Constructing Excellence Berkshire at Reading University London Road
- 27 May 2015 Lecture on ***Health and Wellbeing*** at **CIBSE Intelligent Buildings Group** Seminar at **Buro Happold** London
- 13, 14, 15, 17, 21 April 2015 Lectures on ***Creative Workplaces; Intelligent Buildings; Intelligent Cities; Dreosti Memorial Lecture*** at Chongqing, Xian, and Ningbo Universities China
- 11 March 2015 **Chair and set scene** for ***Greening the Universities Estates*** seminar for **National Conference of University Professors** held at Institute of Materials London
- 3 March 2015 **Chair Designing to Promote Wellbeing in and around Buildings** seminar at **EcoBuild London** 12.30-14.00 page 84 in Event Guide
- 19 and 26 February 2015 Lectures at Bath University in School of Architecture MSc on Smart Buildings
- 19 January 2015 ***Dreosti*** lecture for **CIBSE** London NW Region at Pushkin House
- 19th November 2014 **Chair and set scene** at **CIBSE Intelligent Buildings Group** on **Biomimetic Architecture** held at Arup
- 12 November 2014 Lecture on ***Creative Workplaces*** at Squire Patton Boggs in **Leeds for Green Vision**
- 11 November 2014 **Keynote lecture *Dreosti* lecture for CIBSE** at Newcastle in Sandeman Signature Hotel
- 21 October 2014 **Keynote *Dreosti* lecture for CIBSE at Leeds Beckett University**
- 25 February 2014 **Lecture on *Creative Workplaces* at Warwick University** for the late Professor Elizabeth Burton of WISE
- 30 October 2013 ***Intelligent Buildings: An Introduction*** book launch at Fielden Clegg and Bradley London with Taylor and Francis

- 4,6,10 and 12 June 2013 **Invited Dreosti Memorial Lecture sponsored by SAIRAC** in Johannesburg, Durban , Port Elizabeth and Cape Town South Africa
- 24 April 2013 **Dreosti Lecture** for PhD scholars at **Kingston University** prepared for South Africa Work Tour June 2013
- 21 November 2012 **Intelligent Buildings of the Future at Arup London for BCO Intellibuild conference.** See BBC business news article by Michael Millar on Edible Buildings January 15th 2013.
- 2 November 2012 **Future Intelligent Buildings at Dundee University School of Architecture**
- 23 August 2012 **Keynote lecture *Environmental Health in Buildings*** at Conference on **Health at University of Galway** Ireland
- 16-17 July 2012 MSc lectures at Dundee University School of Architecture
- 27-29 June 2012 **Keynote lectures on *Intelligent Liveable Cities*** at **Artificial Intelligence Conference** led by Professor Vic Callaghan Essex University held in Guanajuato and also University in Leon Mexico
- 10 May 2012 **Keynote lecture *Challenges and Opportunities for Intelligent Buildings*** for **BCIA** at Queens Hotel Solihull
- 30 March 2012 **Keynote lecture on *Intelligent Liveable Cities*** at **8th International Conference –Green Energy Efficiency Buildings and New Technologies and Products Expo** Beijing
- 5-6 March 2012 MSc lectures at Dundee School of Architecture
- 29th February 2012 **Keynote lecture on *Challenges and Opportunities for Intelligent Buildings*** for **CIBSE** at Engineers Ireland Dublin
- 24-25 January 2012 MSc lectures at Dundee University School of Architecture
- 12 December 2011 ***Creative Workplaces*** lecture at Warwick University for WISE led by Professor Elizabeth Burton
- 15 November 2011 MSc lectures at Dundee University School of Architecture
- 23-25 October 2011 **Keynote lectures on Sustainable Intelligent Buildings and Cities at SuDBE Conference in Chongqing: International Low Carbon City & Sustainable Building Environment Technological Conference** sponsored by the Ministry of Science & Technology, PRC and Chongqing Municipal Government, and organized by the Department of International Cooperation and Chongqing Science and Technology Commission
- 20 October 2011 **Keynote Address as Honorary President, *Sustainable Intelligent Buildings for People*** , 6th International Congress on **INTELLIGENT**

BUILDING SYSTEMS (InBuS) organised by Professor J Mikulik

- 8th October 2011 **Keynote lecture on Innovation in the Built Environment at London South Bank University for IBEA Academy led by Dr M Farshchi**
- 28 July 2011 MSc lectures at Dundee University School of Architecture
- 14/16th June 2011 **Keynote Public lectures Sustainable Intelligent Buildings for People** at Hong Kong Polytechnic University and **Global Green Building: China Focus Conference** in Renaissance Hotel Shanghai
- 19-20 May, 7-9 March and 25-27 January 2011 MSc lectures at Dundee School of Architecture
- 18 January 2011 **Keynote Address on *Smart University Campuses***, Ministry of Higher Education Seminar, Riyadh, Saudi Arabia
- 16 December 2010 **Keynote Address on *Affordable Sustainable Housing***, Department of Architecture University of Khartoum
- 3 November 2010 **Keynote Address** Plenary on ***Biomimetic Architecture*** and ***Lessons from Nature***, 17th National Conference on Structural Engineering, Hotel Fiesta Americana, Leon, Mexico
- 14 October 2010 **Plenary Keynote Address on *Sustainable Intelligent Buildings for People***, 16th Building Services, Mechanical and Building Industry Days Conference and Exhibition at Debrecan University Hungary
- 10 August 2010 **Plenary Keynote Address on *Sustainable Intelligent Buildings for People***, 7th International Conference on Indoor Air Quality, Ventilation, and Energy Conservation in Buildings, (IAQVEC 2010) at **SYRACUSE UNIVERSITY BUILDING ENERGY AND ENVIRONMENTAL SYSTEMS LABORATORY (BEESL)**
- 16 July 2010 ***The Financial and Productivity Benefits of Sustainable Workplaces***, Future Conference: Sustainable Construction: Making it Real, Hatfields, London
- 2 June 2010 ***Innovative Futures***, in Section on Advancement at RIBA Seminar on Building Futures: Futures Fair at The Building Centre, London
- 29 March 2010 **Intelligent Buildings for Liveable Cities**, 6th International Conference on Green and Energy-Efficient Building and New Technologies and Products, Ministry of Housing and Urban-Rural Development, Beijing with Hilson Moran and Husam Al-Waer.
- 3 March 2010 **Creating the Productive Workplace**, EcoBuild at Earls Court London
- 3 March 2010 **Masterplanning for Sustainable Liveable Cities**, with Hilson Moran and Dundee University, Ibid
- 2 December 2009 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century: An Energy Focus***, The Institution of Engineering and Technology and

- BETNET Seminar on Green and Energy Efficient Buildings: Preparing for the Challenges of Copenhagen , The IET, Savoy Place, London, UK
- 22 October 2009 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, INBUS 2009, Krakow.
- 22 October 2009 ***Sustainable Intelligent Cities, International Liveable City and Eco-architecture Technology*** Seminar, Chongqing, Science and Technology Commission.
- 20 October 2009 ***Sustainable Intelligent Buildings for Liveable Cities*** Public Lecture at Hong Kong Polytechnic University
- 1 October 2009 ***Whole Life Performance to Relate Buildings, Systems and People*** Financial Sector Technology Group Data Centre Excellence Conference, London
- 24 September 2009 ***Optimising Intelligent Buildings Performance by Linking People, Systems and Buildings***, CIB W098 International Workshop Intelligence in Assisted Homes, Bruges September 24-25, 2009
- 18 September 2009 ***Intelligent Facades***, International Vacuum Insulation Symposium, Royal Institution, London
- 5 September 2009 ***The Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Oxford Briefing, Pembroke College
- 19 February 2009 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century: an Eco-Perspective***, CIBSE Intelligent Buildings Group, Intelligent Buildings Conference, The Royal Statistical Society, London
- 25 February 2009 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Construction Management & Engineering, Alumni Networking Reception, EC Harris London
- 9 February 2009 ***Defining Intelligent School Buildings*** Symposium: A Roadmap to Zero Carbon School Buildings, University College London IBPSA-England CIBSE Schools Group
- 11 December 2008 ***Sensors***, BSJ, Delivering Sustainable Public Buildings Conference, Royal Statistical Society, London
- 6 December 2008, ***Challenges and Opportunities for Intelligent Buildings in the 21st Century*** Dundee University.
- 2 December 2008, IB Day at CIBSE, Strand
- 30 September 2008, ***Intelligent Building – An Overview***, High Performance of Intelligent Buildings in Universities and Colleges, Kings College, London
- 26 November 2008 ***Facades as Climatic Moderators for Occupants: Pushing the Building Envelope*** Institution of Mechanical Engineers, London..

- 25 November 2008 ***Whole-life Performance to Relate Buildings, Systems and People*** at Whole-life Performance Seminar , CIBSE, Euston Road, London
- 4 November 2008 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***,at Sustainable Buildings Conference, America Square Centre, London.
- 28 October 2008 ***Intelligent Buildings as a Multy-Sensory Experinece***,for CIBSE IB Group, RIBA. London
- 20 October 2008 ***Impact of Airconditioning on Health Well-Being and Productivity***, Institute of Refrigeration and CIBSE,London.
- 30 September 2008 ***Intelligent Buildings***, seminar on High Performance of Intelligent Buildings in Universities and Colleges,Kings College,London
- 24 September 2008 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, CIBSE, Leeds
- 2-5 June 2008 Lectures on ***Intelligent Buildings*** at AGU University of Social and Technology, Institute of Management. Krakow
- 24 March 25 April 2008, **CIBSE Keynote Lecture** tour of Perth, Adelaide, Canberra, Wollongong, Sydney, Melbourne, Brisbane, Christchurch, Wellington, Auckland including industry and the Universities. Lectures were:
Challenges and Opportunities for Green Intelligent Buildings in the 21st Century.
Sustainable Building Solutions: a review of Architecture
Biomimetics and Lessons from the Natural World
Creating the Productive Workplace
- 17-20 February 2008 Lectures on ***Intelligent Architecture*** at Al- Kalamour University and Al Baath University, Department of Architecture, Syria
 11 December 2008, ***Sensors***, BSJ, Delivering Sustainable Public Buildings Conference, Royal Statistical Society, London
- 17 September 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***,Hong Kong Polytechnic University.
- 13 September 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Xian University of Architecture and Engineering, China.
- 6 September 2007 ***Environment and the Productive Workplace***, Jilin University College of Construction Engineering.Changchun, China
- 5 September 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Jilin University College of Construction Engineering. Changchun, China
- 8 May 2007 ***Mobilising the New Environmentalists: Sustainable Skills***, Atelier Ten, London

- 2 May 2007 ***Intelligent Buildings Futures*** at RIBA Futures Fair
- 29-31 May 2007 ***Work Performance and Productivity and Indoor Air***, International Conference, Health Air Better Work, Finland Institute of Occupational Health,
- 20-21 May 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Gulf International, Kuwait
- 22-23 April 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***,
- 27 March 2007 ***Work Performance and Productivity***, Arup, London
- 20 July 2006 ***Indoor Environment & Productivity***, Arup, London
- 14 June 2006 ***Indoor Environment & Productivity*** for Air Academy, Sweden, Fagerhult Seminar Riyadh at Noortech Seminar and College of Architecture and Planning at King Saud University
- 22-23 February 2007 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Pécs, Hungary. 27 March 2007 ***Work Performance and Productivity***, Arup, London
- 6-8 December 2006 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, 37th Congress on HVAC&R, Belgrade, Yugoslavia,
- 23-26 September 2006 ***Challenges and Opportunities for Intelligent Buildings in the 21st Century***, International Conference XICAT, Architecture in Harmony at Xian University of Architecture & Technology, September 23-26, China
- 10-11 September 2006 ***Intelligent Sustainable Buildings Improve Business Value***, GCC Intelligent Building Management Forum, Dubai.
- 14-18 August 2006 ***Green Intelligent Buildings to Meet Sustainability Agenda & Challenges and Opportunities for Intelligent Buildings in the 21st Century***, Taiwan Government Strategy, Technology Advisory Group, Taipei.
- 20 July 2006 ***Indoor Environment & Productivity***, Arup, London
- 14 June 2006 ***Indoor Environment & Productivity*** for Air Academy, Sweden, Fagerhult Seminar London
- 1 June 2006 **Honorary Presidential Address *Green Intelligent Buildings to Meet Sustainability Agenda***, for 4th International Conference on Intelligent Buildings, Krakow, June 1st
- 27 April 2006 ***Intelligent Buildings for 21st Century***, School of Built Environment, University of Nottingham
- 4-6 April 2006 **Keynote Address (Lecture & Paper) *Green Intelligent Buildings: An Energy***

- Focus*, The International Conference on Asia-European Sustainable Urban Development, Chongqing, China
- 30 March 2006 **Keynote Lecture, *World Development in Intelligent Buildings***, Harbin University of Technology.
- 28-29 March 2006 **Keynote Lecture, *Green Intelligent Buildings: An Energy Focus***, The Second Conference on Intelligent and Energy Efficient Building and New Technologies, Ministry of Construction, Beijing China
- 30 November 2005 ***Assessing the Performance of Intelligent Buildings***, British Standards Institution and Intelligent Buildings Group, London
- 25 November 2005 **Invited Lecture, *Environment and the Creative Workplace***, Gensler, London
- 17 November 2005 **Invited Lecture, *Environment and the Productive Workplace***, Hong Kong CIBSE Region.
- 15 November 2005 **Invited Keynote Lectures, *Challenges and Opportunities for Building Services in the 21st Century***, Joint Symposium HKIE, ASHRAE, CIBSE New Challenges in Building Services Hong Kong also **Keynote Lecture** for CIBSE Hong Kong Region on Environment and the Productive Workplace
- 10 October 2005, **Invited workshop for REHVA Task Force 10, *Improving the Reliability and Value of Building Services***, Clima 2005, Lausanne, Switzerland.
- 23 September 2005 **Invited Lecture, *Environment and the Creative Workplace***, Arup, London
- 7 September 2005 **Invited Seminar, *Environment and the Creative Workplace***, Department of Architecture, Tsinghua University, Beijing,
- 16 August 2005 **Invited Lecture, *Environment and the Creative Workplace***, Taiwan Government Strategy Research Board Conference, Taipei.
- 10-11 May 2005 **Invited Lecture *Intelligent Buildings for Business***, Public Sector Property and Estate Conference, Public Service Partnership, London Excel Centre.
- 7 December 2004 **Chairman's Opening Address, *Mixed Mode Ventilation: the Experience to Date*** at CIBSE Natural Ventilation Group seminar.
- 24 November 2004 **Invited Lecture, *Assessing Building Intelligence*** for Hua Shu Community Company at International Conference Centre in Changchun.
- 22-25 November 2004 **Invited Lectures** at Universities of Ligong and Jianzhu in Shenyang and Polytechnic for Construction in Changchun.
- 18 November 2004 **Keynote Lecture, *Intelligent Buildings and Sustainability***, to Singapore British Business Council.
- 2 November 2004 **Invited Lecture, *Sensing Requirements for Intelligent Buildings***, Institution

of Electrical Engineers, Birmingham (Aston Court).

- 23 September 2004 *Education Needs for Intelligent Buildings Strategists*, IB2004 Intelligent Buildings Event, BRE, Watford.
- 6 September 2004, **Invited Lecture, *Intelligent Buildings*** for Cambridge Forum for the Construction Industry at the Isaac Newton Institute of Mathematical Sciences at the University of Cambridge.
- 20 May 2004 Honorary President; **Invited Keynote Lecture on *Intelligence of Intelligent Buildings***, at INBUS 2004, Krakow.
- 6 May 2004 **Workshop on *Intelligent Buildings*** at CIB World Congress 2004, Toronto.
- 21 April 2004, **Invited Lecture, *Environment and the Productive Workplace***, RFK Architects, London N1 9RY.
- 23 March 2004 **Invited Lecture, *Environment and the Productive Workplace***, For RICS Hellas, at Hilton, Athens.
- 17 March 2004 **Invited Lecture, *Environment and the Productive Workplace***, EPSRC EQUAL Research Workshop at Hilton, Sheffield.
- 11 March 2004 **Invited Keynote Lecture, *Environment and the Productive Workplace*** at Royal Academy of Engineering, CIBSE Natural Ventilation Group Celebration Seminar
- 12 February 2004 **Invited Lecture**, to Intelligent Building Group UK/France at DEGW on *Assessing Building Intelligence*.
- 15-23 October 2003 **Invited Keynote Lecture on *Sustainable Cities and Intelligent Buildings*** at Universities in Beijing and Shenyang.
- 10 September 2003 **Invited Lecture, *Environmental Quality in the Workplace***, at HWL Arts Team in London.
- 23 July 2003 **Invited Lecture, *Environmental Quality in the Workplace***, at Kohn, Pedersen, Fox in London.
- 22 January 2003 **Invited Lecture, *Sustainable Intelligent Buildings***, Fourth BIONIS Network Meeting, June 5, *Environmental Quality in the Workplace*, at Lyster, Grillett and Harding, Cambridge.
- 28 November 2002 **Invited Lecture, *Environment and the Productive Workplace***, at CIBSE, Balham.
- 20 November 2002 **Invited Lecture *Environment and the Productive Workplace***, at HLM Design, Twickenham.
- 17 October 2002 **Invited Keynote Lecture, *Environment and the Productive Workplace***, Joint Seminar of Healthy Building and Tera Vera Technology

Programmes, University of Helsinki, Otaniemi, Espoo, Finland.

- 19 September 2002 **Invited Keynote Lecture, *Environment and the Productive Workplace***, ASHRAE Region at Large Meeting, University of Reading.
- 8 September 2002 **Invited Keynote Lecture and Workshop, *Environment and the Productive Workplace***, ISIAQ Task Force on Effects of Indoor Environment on Productivity, Moltke's Palace, Copenhagen.
- 9 August 2002 ***Intelligent Buildings*, Invited Lecture** at Pascalls and Weston, 226 Putney Bridge Road, London.
- 13, 14 May 2002 **Invited Keynote Lectures, *Intelligent Buildings and Sustainability***, International Conference on Intelligent Buildings, Krakow University of Technology (**President and Keynote Address**).
- 16 May 2002 ***Healthy Buildings*, Invited Keynote Lecture**, at International Conference on Electromagnetic Environments and Health in Buildings at Royal College of Physicians, London.
- 23-31 March 2002 **Series of Lectures** on Intelligent Buildings at Shenyang Industry University; Benxi University; and Shijiazhang Railway Engineering Professional Technology University in The People's Republic of China. (**Visiting Professor**).
- 4, 18 March 2002 ***Intelligent Architecture for Sustainability***, Honeywell Lectures at Baltic Exchange, London, EC1.
- 18 February 2002, ***Intelligent Architecture for Sustainability*, invited series of Honeywell Lectures** at Baltic Exchange, London, EC1.
- 23 January 2002 **Invited Lecture, *Designing Creative Workplaces***, TP Bennett Architects, London SE10NE.
- 20 June 2001, **Invited Keynote Lecture, *Creating the Productive Workplace***, Fraunhofer Office Innovation Centre, Stuttgart.
- 11-12 June 2001, **Invited Keynote Lecture, *Intelligent Buildings***, 5th International Conference for Ventilation for Automative Industry, Stratford upon Avon,
- 8-10 March 2001, **Keynote Lecture, *Future Horizons in Construction***, Frigair 2000, in Johannesburg, South Africa.
- 14 November 2001 **Invited Lecture, *Educational Futures***, for Council of Professors of Building Engineering and Management, County Hotel, Newcastle-upon-Tyne.
- 1 November 2001 ***People and the Environment***, EPSRC Theme 2 of The Sustainability Built Environment Programme, Jarvis International Hotel, Solihull.
- 9 July 2001 ***Sustainable Architecture***, WSTB, Brussels, PeBBI Thematic Network EU

project.(**Coordinator of CIB Task Group WO98**).

- 21 June 2001 *Intelligent Buildings*, Honeywell Lectures, Hilton Airport Hotel, Edinburgh.
- 14 June 2001 *Intelligent Buildings*, invited series of Honeywell Lectures at Marriott Hotel, Westminster.
- 5 June 2001 *Whole Life Costing for Building Services*, EPSRC-IMI Project, Royal Statistical Society, London.
- 24 November 2000 *Intelligent Buildings*, REHVA Seminar, Prague.
- 21 October, 2000 Ibid, *Indoor Air Quality* and *Natural Ventilation*.
- 19 October 2000 Lectures at Tianjin and Tongji Universities, China *Intelligent Buildings* and *Environment and Productivity*.
- 14 September 2000 *Intelligent Buildings for the 21st Century*, Technical University, Budapest.
- 6 September 2000 *New Languages for Architectural Engineering*, Matran School of Mathematics, Berlin.
- 31 May 2000 *Environment and Productivity* and *Natural Ventilation* at BRE for Leonardo Programme, organised by EIBG.
- 16 May 2000 *Creating the Productive Workplace*, Haworth lectures (OFSA), Royal Institution, London.
- 29 February 2000 *Building Sickness Syndrome: Myths or Reality*, Centre for Built Environment in Construction, Tylney Hall, Hampshire.
- 25 November 1999 *Natural Ventilation & Sustainability* Seminar at CIBSE, London (Chairman for this event).
- 21 October 1999 *Natural Ventilation & Sustainability*, CIBSE, de Montfort University.
- 14 October 1999 *Sustainability and Low Energy Buildings*, Institution of Civil Engineers Annual Symposium, Cleethorpes Town Hall.
- 14 June 1999, The Architectural Research Forum, *Assessing the Productive Workplace*, Bartlett School of Architecture, University College London.
- 29 October 1998 Chairman for *The Importance of Light* Conference at ICE.
- 20 October 1998 Chairman for *Education Forum*, for CIBSE at Bournemouth.
- 8 October 1998 *Education for Intelligent Building Strategists*, at BRE for EIBG.
- 8 September 1998, *Education Issues* EIBG at Mackay-Whinney Partnership, London.
- 2 July 1998, *Natural Ventilation* at CIBSE, London.

- 15 June 1998, *Technological Futures* at NG Baileys, Ilkley.
- 9 June 1998, *History of Ventilation* at Royal Society for CIBSE.
- 14 May 1998, *MSc Intelligent Buildings at EIBG*, Paris.
- 12 March 1998, *Natural Ventilation*, CIBSE Seminar, Edinburgh.
- 23 February 1998, *Natural Ventilation for Historic Buildings*, Schönbrunn Palace, Vienna.
- 12 February 1998, *Designing Environments for Health and Productivity*, Bournemouth University.
- 29-30 October 1997 **Keynote Lecture, What Do We Mean by Productivity?**, Workshop Comfort Forum Conference: *Creating the Productive Workplace*, Westminster Central Hall, London, Conference organised by D.J. Clements-Croome, (Conference Chairman) with Workshop Comfort Forum.
- 7 October 1997, *Education for Building Services Engineers* National Conference, CIBSE, Alexandra Palace, London.
- 25 September 1997, **Keynote Lecture** at HVAC '95 International Seminar at Tsinghua University on *Future Horizons and Building Environmental Engineering*.
- 10 September 1997, *Natural Ventilation and Intelligent Buildings*, EIBG, Northcrofts, London.
- 26 March 1997, *Natural Ventilation*, CIBSE, Leeds.
- 19 March 1997, *Comfort, Health and Productivity*, CIBSE/ASHRAE, London.
- 29 September 1996, **Keynote lecture, Future Horizons in Building Environmental Engineering**, Proceedings of CIBSE National Conference, Harrogate, Volume 1, 1-11, (ISBN0900953756)
- 14 December 1996, *Weather, Climate and Buildings* at Royal Meteorological Society.
- 12 December 1996, *History of Ventilation*, CIBSE, London
- 9 November 1996, *Building Services Engineering: The Invisible Architecture*. CIBSE Cambridge.
- 31 October 1996, *Ventilation Needs*, Hand V Exhibition at Olympia, London.
Lectures at Tsinghua University, Beijing.
- 27 September 1996, Lecture *Indoor Environment & Productivity* at HVAC'95.
Lectures at the Northern Western Institution of Architectural Engineering, Xian.
- 19 September 1996, Seminar on *Education*.

- 18 September 1996, Lectures on ***Building Services Engineering Education and Future Horizons in Building Environmental Engineering***
- 18 September 1996, ***Workplace Comfort***, Chartered Society of Physiotherapy, London.
- 14 September 1996, Lectures at the Logisti University, Chongqing.
Future Horizons in Building Environmental Engineering
- 13 September 1996, Lectures at Logisti University ***Future Horizons in Building Environmental Engineering*** and ***Education in Building Services Engineering***.
- Lectures at Chongqing Jianzhu University***
- 11 September 1996, ***Indoor Environment and Productivity***
- 8 September 1996, ***Building Services Engineering Education in UK***
- 7 September 1996, ***Natural Ventilation***
- 6 September 1996, Seminar on ***Building Environmental Engineering***
- 5 September 1996, ***Intelligent Buildings***
- 4 September 1996, Inaugural lecture on ***Building Services Engineering: The Invisible Architecture*** in the Department of Architecture
- 1 September 1996, Presentation as Visiting Professor.
22 June 1996, ***The Indoor Environment & Productivity*** at Siemens Group Services, Reading. (Real Estate and Construction Seminar).
- 8 May 1996, ***Intelligent Buildings: the Challenge and the Opportunity***, EIBG, City Conference Centre, London.
- 25 April, 1996, ***The Challenge of Natural Ventilation*** at CIBSE Edinburgh.
- 29 March, 1996, ***Building Services Engineering: The Invisible Architecture*** at Bournemouth University.
- 20 January, 1996, ***Are Building Services Engineers Becoming Dodos?*** at the Rumford Club.
- 18 January 1996, ***Future Horizons in Building Environmental Engineering*** at Bournemouth University, Dept. Product Design and Manufacture.
- 8 March 1993 ***Environmental Concerns for the Construction Industry*** to the Department of Meteorology, University of Reading.
- 12 January 1993 ***Building Services Engineering: The Invisible Architecture***, for CIBSE East Midlands Region at De Montfort University.

- 15 May 1992 The Royal Society, '*Architectural Research Forum*,' Environmental Control for People.
- 17 September 1991 Lecture presented to twelve Japanese delegates from nine Companies at the invitation of International Interface High Technology (IIHT) in Paris.
- 11-13 September 1991 paper present at Madingley Hall Seminar on *Education for the Built Environment* at Cambridge University, sponsored by the Ove Arup Foundation.
- 24-29 August 1991 Invited guest of All-Union Association of Engineers for Heating, Ventilation, Airconditioning, Heat Supply and Building Thermal Physics (ABOK) in Leningrad. Lectures presented on *Airflow and Thermal Comfort in Naturally Ventilated Classrooms* and *The Potential for User-Controlled Localized Environment Systems*.
- 1 March, 1990 Lecture on *Innovation in Building Technology* in the Department of Architecture at the University of Florence, also held informal seminar with six doctoral students.
- 30 May 1989, *The Impact of Technological Innovation on the Construction Industry* at Savoy Hotel for Association of Researchers in Construction Management, Published in Building Research and Practice, 1990, (3), 174-182.
- 13 February 1989, Inaugural Address, *Building Services Engineering: The Invisible Architecture* (Reading University), also at Cirencester for CIBSE on 9 May, and at Avisford Park for Haden Young Limited on 3 June. Published in BSERT, 1990, II, (1), 27-31.
- 18 October 1988 London *Noise Control and Acoustics*, CPD Course for Building Designers at CIBSE, London, and also at 16 November University of Nottingham,
- 9 November 1988 *Building Services Engineering Education* at BSRIA Annual General Meeting at RIBA also for Electricity Council on 24 November.
- 24 November 1988 *Building Services Engineering Education*, BSRIA Annual General Meeting, RIBA, 9 November, also Electricity Council,
- 19 January 1988, *Adaptive Control*, University of Bristol, (Invitation by Johnson Controls).
- 17 December 1987 *Arctic City*, Rumford Club, London,
- 25 November 1987 *Noise Control and Acoustics*, CPD Course for Building Designers at CIBSE, London, and also at University of Nottingham,
- 16 November 1988 *Planning for Centres of Excellence in Building Environmental Engineering*, CIBSE Education Conference, University of Strathclyde.
- 1 May 1987 *Effects of Occupancy on Energy Consumption*, Seminar for Mid-West Energy Group,

- 26 November 1986 *Perception and Thermal Comfort*, Royal College of Art,
- 11 November 1986 *Covered Townships in Cold Climates*, Huntingdon Centre for Appreciation of History and Architecture, Bath,
- 10 October 1986 *Energy Data Analysis and Effects of Occupancy on Energy Consumption*, Mid-West Energy Group Seminars
- 18 September 1986 *Collaboration Between Local Authorities and Universities*, Society of Chief Mechanical and Electrical Engineers, Westminster Council House, London,
- 2 April 1986, *Ventilation*, Energy Efficiency Centre, Building Centre, London,
- 20 February 1986, Occupant *Behaviour and Energy Consumption in Secondary Schools*, Avon County Council Seminar with H Toyne for Mid-West Energy Group,
- 18 February 1986 Chairman and Lecture on *Radiant Heating* at Radiant Heating Forum by CIBSE at Dale & Goldfinger, Cirencester,
- 27 November 1985 *Theory and Practice of Building Environmental Engineering*, Royal College of Art, London,
- 15 October 1985 *Energy Efficient Design*, Huntingdon Centre, Bath.
- 25 September 1985 *Development in Building Environmental Engineering*, University of Bucharest,
- 24 September 1985 *Development in Building Environmental Engineering*, Building Research Institute, Bucharest,
- 14 May, 1984 *Environmental and Energy Aspects of Lightweight Buildings and Energy Management*, University College, Bartlett School of Architecture,
- 9 May 1984 *Current Problems in Environmental Design*, Vent-Axia Seminar Imperial College of Science and Technology,
- 26 January 1984 *Energy Management*, Hospital Management & Engineering Centre, Falfield,
- 9 November 1983 *Energy Management*, Hospital Management & Engineering Centre, Falfield,
- 5 October 1983 *Energy Management of the Hospital Estate*, Symposium on the Efficient Use of the NHS Estate, The Institute of Hospital Engineering, Barbican Centre, London,
- 13 May 1983 *Building Environmental Engineering Education*, Education for Building Designers Seminar, Department of Architecture, University of Strathclyde,
- 9-10 May 1983 *Energy Conservation Decision Model*, Seminars at Stockholm County Council,

- 22 December 1982 *Environmental Dynamic Structures, Ibid,*
- 21 December 1982 *Building Environmental Engineering: Philosophy and Practice*, Seminar, Royal Institute of Technology, Stockholm,
- 21 December 1982 *Architectural Education*, Seminar at the National Board of Universities and Colleges, Stockholm,
- 17 December 1982 *Energy Conscious Design*, Seminar at Granlund Limited, Helsinki,
- 20 October 1982 *Decision Model for Energy Conservation*, DHSS Seminar,
- 5 July 1982 *Basic Principles of Passive Environmental Design*, CIBSE (SW Region) Seminar at University of Bath,
- 30 March 1982 *Energy Conservation in Hospitals* (with Sinclair, V.J.), DHSS Seminar,
- 14-15 January 1982 *Ventilation Problems in Building Design*, Science Research Council Ventilation Workshop, London.
- 8 September 1980 *Environmental Consideration of Roofs*, PSA Bristol,
- 27 March 1981 *Passive Environmental Design*, Wessex Association of Consultant Architects Symposium 'The Architecture of Energy,' Bristol,
- 17 May 1977 Three Seminars presented in the Department of Design at the Chalmers University of Technology in Gothenburg, Sweden, The topics were: *Education in Building Environmental Engineering; The Role of Acoustics in Building Design; Energy Implications of Building Design.*
- September 1971, Series of Lectures published by the Building Research Establishment for the American University in Beirut: *Concept of Comfort; Airconditioning and Ventilation in Environmental Control; Seminar on Education in Environmental Engineering; Airmovement Through Systems in Occupied Spaces.*

Broadcasts/Press Releases

- May 10th 2015 **Radio Shoreditch London interview with Derek Clements- Croome on Intelligent Buildings by Stefan Geyer**
- 2013** **BBC Business News article by Michael Miller on Edible Buildings based on**
2012 November 21st Intellibuild seminar at Arup
- September 2009 Recognised Advice for *Buildings to the Limits*, exhibition at Science Museum., London
- 30 March 2009 *Green Intelligent Buildings*, Radio China in Beijing

- 21 Nisan 2008 ABC Radio broadcast on Margaret Throsby programme (10-11am) covering work, life and choice of 5 pieces of music.
- 21 October 2005 **Broadcast on Animal Engineering**, Discovery Series, BBC World Service Radio.
- September 2005 Recognised Advice for **Buildings to the Limits**, exhibition at Science Museum., London
- 30 March 2005 **Green Intelligent Buildings**, Radio China in Beijing.
- 17 June 2003 **Environmental Design of PFI Schools**, Radio Scotland (article in Scotland on Sunday).
- 27 May 2003 **Broadcast on plants**. Radio Berkshire.
- 20 November 2 and 4 December 2002, **Flowers and the Environment**, nationwide local radio.
- September 25 2002, **Plants and the Environment in Classrooms**, nationwide local radio.
- July 11 2002, **Plants and the Environment in Classrooms**, nationwide local radio.
- July 14 2000, **Electromagnetic Fields and People**, Royal Society of Medicine, London (TV Channel 5, and nationwide local radio).
- 24th November 1985 Article on **Covered Northern Township**, The Observer, p.44
- 2 December 1985, BBC Radio 2 interview with John Dunn

Derek J Clements-Croome
 Professor Emeritus of Architecture Engineering
 University of Reading
 January 2018