

PUBLICATIONS & JOURNALS & REPORTS

Reports for Industry or Commercial or Public Organisations

Taub , M., Clements-Croome, D. J., Lockhart, V., 2016, BCO Report on *The Impacts of Wearables on Designing Healthy Office Environments : A Review* (BCO Report see www.bco.org.uk)

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

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_wellbeing_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 see page 33 **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

2017 Editor/Author of *Creating the Productive Workplace*, Third Edition, Taylor and Francis

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. 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.

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.pp535. 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 & F N 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 Sheratt). 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

Banani, R., Vahdati M.M., Shahrestani, M., Clements-Croome, D., 2016, *The development of building assessment criteria framework for sustainable non-residential buildings in Saudi Arabia*, Sustainable Cities and Society Journal, 26, 289–305

Keeling TP, Roesch EB and Clements-Croome D., 2016, *Cognitive Appraisals Affect Both Embodiment of Thermal Sensation and Its Mapping to Thermal Evaluation*, Frontiers of Psychology. 7:800.doi: 10.3389/fpsyg.2016.00800

Ghaffarianhoseini Amir., Berardi U., AlWaer H., Chang S., Halawa E., Ghaffarianhoseini Ali., and Clements-Croome D.J., 2015, *What is an intelligent building? Analysis of recent interpretations from an international perspective* Architectural Science Review, 58, 3, doi: 10.1080/00038628.2015.1079164

Xie, H. , Clements-Croome, D.J., Wang, Q., 2016, *Move beyond green building: A focus on healthy, comfortable, sustainable and aesthetical architecture* ,Intelligent Buildings International, <http://dx.doi.org/10.1080/17508975.2016.1139536>

Darby,H.J., Elmualim, A.A., Clements-Croome, D., Yearley, T., & Box, W., 2016, ***Influence of Occupants' Behaviour on Energy and Carbon Emission Reduction in a Higher Education Building Case Study.*** Intelligent Buildings International, 8, 3, doi:10.1080/17508975.2016.1139535

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., Emualim, 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;mdpi

Mumovic, D; Burman, E; Daniels, R; Kolokotroni, M; Entwisle, 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/>

T.Yang and D.J. Clements-Croome, 2013, Chapter on ***Natural Ventilation*** in **Springer Encyclopedia Volume 10: Sustainable Built Environments**, pp 394—425 edited by Loftness iTechnology (Springer:New York) pp 685-6897 Vol 10 Now in online Encyclopaedia), ISBN 978-1-4614-5827-2

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

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

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

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

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

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

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)

Yang, T. and Clements-Croome, D.J., 2012, *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) doi:10.1007/978-1-4419-0851-3_488

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

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

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>

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 ,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.ress.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 Coconceptual 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

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:10.1093/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 D.J., 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, Belgirate, 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