

SUSTAINABLE ENVIRONMENTAL DESIGN READING LIST 2011/12

This reading list has been given to the library by the course tutor. Please note that the library holds as many items as possible from this list, however if any items are not held in the library's collection, these may be requested via Inter-library loan at the issue desk.

Some items may be shared with other programmes or located in other parts of the library. For location details please consult the online library catalogue.

The published literature on the topics covered by the SED programme is vast and continues to grow rapidly. Random reading and uncritical internet surfing are strongly discouraged. The items listed here have been carefully selected to match the specific objectives and learning outcomes of the taught programme. They include recent books and papers as well as earlier publications that have stood the test of time. Items preceded by an † are *Required Reading*. These must be sought and read carefully early in the year as they deal with material that is essential for following the taught programme and undertaking project work. Items marked with an ‡ are *Recommended Reading*. These contain complementary information and technical data that will be needed in the course and project work. Other items in the list can be consulted in due course. The books and papers in the list have been grouped by topic categories that are listed alphabetically as follows:

- Building Examples & Case Studies
- City microclimates, Design of Outdoor Spaces
- Comfort, Post-Occupancy Evaluation, Behavioural Studies
- Daylighting
- Engineering
- Environmental Design Principles
- Environmental Targets & Benchmarks, Environmental Analysis Tools & Data
- Environmental Assessment
- Sustainability Theories & Issues
- Materials & Construction Techniques
- Passive Heating & Cooling
- PLEA Conference Proceedings
- Ventilation

Books and papers that relate to more than one topic category may have been listed more than once. The symbol < see also: > is used to cross-reference the topic categories; it also highlights additional bibliographical sources. All of the publications listed here are available at the AA Library in printed and/or digital forms. Moreover, many of the *Required* and *Recommended* items are also available to download in pdf format from the programme's EE folder which is on the AA School's File Server. These items are identified below with **[FS]**. Access to the AA File Server requires registration

with the AA Computer Lab at the beginning of the academic year. Items available on CD are identified below with **[CD]**.

An important online source is the IHS *Information Service* (www.uk.ihs.com), a very useful resource that provides free access to numerous technical guides and other publications including Royal Institute of British Architects (RIBA) and Chartered Institution of Building Services Engineers (CIBSE) as well as Building Research Establishment (BRE) publications. AA students must register to access this site. To register contact the AA Library. A new useful source of built examples is available online from the Architects Journal and can be accessed at www.ajbuildingslibrary.co.uk using the AA Library's AJ online account. The AA Library can also provide access to scientific papers and other publications and documents through the British Library.

Open University library resources can be accessed at: www.open.ac.uk/library/libpartnerships. A good online search engine for locating scientific and technical papers in the topic areas listed above is Scirus: www.scirus.com. Advice on reading and discussion of selected readings will be a regular feature of the weekly Research Seminar. Further reading material will be introduced as the year progresses.

Built Examples, Case Studies

- † Baker, N.V. (2009). **A Handbook of Sustainable Refurbishment**: Non-Domestic Buildings. Earthscan.
- Baird, G. (2001). **The Architectural Expression of Environmental Control Systems**. Spon Press, London. (*see also review of this book by SY in AA Files 44*).
- de Lapuerta, J.M. (2007). **Collective Housing : a Manual**. ETSAM, Madrid.
- Ford, B., R. Schiano-Phan, E. Francis (Eds 2010). **The Architecture & Engineering of Draught Cooling**. PHDC Press.
- † Guzowski, M. (2010). **Towards Zero-energy Architecture**: new solar design. Lawrence King Publishing.
- Gonçalves, J.C. (2010). **The Environmental Performance of Tall Buildings**. Earthscan.
- † Hastings, R. and M. Wall (Eds. 2007). **Sustainable Solar Housing. Exemplary Buildings and Technologies**. Earthscan. **[FS]**
- † Hawkes, D. (1996). **The Environmental Tradition**. E&FS Spon, London.
- Hawkes, D. (2007). **The Environmental Imagination**. Routledge.
- Hawkes, D. and W. Forster (2002). **Architecture, Engineering and Environment**. Laurence King Publishing, London.
- Hodgson, G. (2009). *Lessons learned from the Barratts Green House*. Information Paper IB3/09, Building Research Establishment.
- O'Coifagh, E. et al (1995). **The Climatic Dwelling**. James & James Science Publishers, London.
- † Turrent, D. (Ed. 2007). **Sustainable Architecture**. RIBA Publishing.
- Wigginton, M. and J. Harris (2002). **Intelligent Skins**. Architectural Press.
- World Architecture (2004). **Sustainable Architecture in the UK**. Special Issues No. 170 & 171.

- ‡ Yannas, S. (2009). *What Can Buildings Tell Us, What Can We Tell Back*. **Proc. PLEA 2009**, Quebec, pp472-477.
- † Yannas, S. (2008). *Challenging the Supremacy of Airconditioning*. **2A Architecture & Art**, Issue 7, pp20-43, Dubai.
- Yannas, S. and O.D. Corbella (2001). *Learning from Built Examples in Rio de Janeiro*. **Proc. PLEA 2001**, Florianopolis. [FS]
- † Yannas, S. (1994). **Solar Energy and Housing Design**. *Volume 2: Examples*. Architectural Association Publications.
- Yannas, S. (ed. 2000) **Designing for Summer Comfort**. *Building Studies*. AA EE, London. [FS]
- Yannas, S. (1995). **Design of Educational Buildings**. Book 2: Examples. Environment & Energy Studies Programme, AA Graduate School, London.
- Yeang K. (2008). **Eco Skyscrapers**. Images Publishing.

☞ see also: AA E+E SED Building Studies Projects from previous years (in SED Office).

☞ see also: www.architectsjournal.co.uk/sustainability

☞ see also: *Architectural Review*, *The Plan*, *Detail* and other architectural periodicals

☞ see also: EULEB (European Low Energy Buildings) www.euleb.info/

☞ see also: the IDEA database which includes 60 building case studies (see also Appendix: *Software*).

<http://nesa1.uni-siegen.de/wwwextern/idea/main.htm>

☞ see also: PROBE (Post-occupancy Review of Buildings and their Engineering) case studies at:

www.usablebuildings.co.uk/

City Microclimates, Design of Outdoor Spaces

- † Akbari, H. (2007). *Opportunities for saving energy and improving air quality in Urban Heat Islands*. In **Advances in Passive Cooling**, pp30-93, Earthscan.
- Chatzidimitriou, A. and S. Yannas (2004). *Microclimatic Studies of Urban Open Spaces in Northern Greece*. Proc. PLEA 2004, Eindhoven, Vol. 1 pp83-88. [FS]
- † Erell, E., D. Pearlmutter and T.J. Williamson (2010). **Urban Microclimate: designing the spaces between buildings**. Earthscan.
- † Gartland, L. (2008). **Heat Islands**. Earthscan.
- † Givoni, B. (1998). **Climate Considerations in Building and Urban Design**. Van Nostrand Reinhold.
- † Littlefair, P. (2000). **Environmental site Layout Planning**. Building Research Establishment, BR 380.
- Ng, E. (Ed. 2009). **Designing High Density Cities**. Earthscan.
- † Oke, T.R. (1987). **Boundary Layer Climates**. Chapters 7 & 8 only. Methuen & Co., London.
- † Pedersen, P.B. (Ed. 2009). **Sustainable Compact City**. 2nd edition. Arkitekt skolens Forlag.
- Robinson, D. (Ed.2011). **Computer Modelling for Sustainable Urban Design**. Earthscan.
- Santamouris, M. (Ed. 2000). **Energy and Climate in the Urban Environment**. James & James (Science) Publishers Ltd. London.
- Smith, P.F. (2006). **Architecture in a Climate of Change**. Architectural Press.

- Thomas, R. (Ed. 2008). **Sustainable Urban Design**. An environmental approach. Taylor & Francis.
- † Yannas, S. (2004). *Adaptive Skins & Microclimates*. In Proc. PLEA 2004, Eindhoven, Vol.1 pp217-222.
- Yannas, S. with O.D. Corbella and V.N. Corner (2001). *Outdoor Spaces and Urban Design: case studies of two plazas in Rio de Janeiro*. **Proc. PLEA 2001**, Florianopolis. **[FS]**
- Yannas, S. (2000) *Toward More Sustainable Cities*. **Solar Energy Journal** Vol. 70 No. 3 pp281-294, Elsevier Science Limited.

☞ see also <http://www.metoffice.gov.uk/climatechange/>

Comfort, Post-Occupancy Evaluation, Behaviour Studies

- Auliciems, A. and S. Szokolay (1997). **Thermal Comfort**. PLEA Note 3. PLEA International / University of Queensland. **[FS]**
- Baker N V. (2001). *We are really outdoor animals*. Moving comfort standards in the 21st century Conf.
- † Baker N.V. (2007). *Adaptive thermal comfort standards for building refurbishment*. Revival Technical Monograph 2. **[FS]** see also: www.revival-eu.net
- Bell, P.A. et al (2001). **Environmental Psychology**. Fifth Edition. Harcourt College Publishers.
- † Chappells, H. and E. Shove (2004). *Comfort : a review of philosophies and paradigms*. Future Comforts Project, UK ESRC programme. **[FS]**
- Cheng, V., E.Ng. and B. Givoni (2008). *Outdoor Thermal Comfort for Hong Kong People*. Proc. PLEA 2008. [CD].
- CIBSE Briefing 10. **Thermal Comfort in a 21st century climate**. Chartered Institution of Building Services Engineers, London. **[FS]**
- † CIBSE (2006). **Comfort**. CIBSE Knowledge Series KS 6. Chartered Institution of Building Services Engineers, London. **[FS]**
- CIBSE (2006). *Environmental criteria for design*. Chapter 1 in **CIBSE Guide A**. Chartered Institution of Building Services Engineers, London. **[FS]**
- Cole, R.J., Z. Brown and S. McKay (2010). *Building Human Agency: a timely manifesto*. Building Research & Information, 38(3) pp339-350, Routledge. **[FS]**
- Mahdavi, A. and C. Proglhof (2008). *Observation-based models of user control actions in buildings*. Proc. PLEA 2008, Dublin.
- Mahdavi, A. (2007). *People, Systems, Environment*. Proc. PLEA 2007, Singapore.
- Nicol, J.F. (Ed. 2011). **Adaptive Comfort**. Special Issue of *Building Research Information Journal*, Vol. 39, No.2. Routledge.
- † Nicol, F. (2003). *Thermal Comfort*. In **Solar Thermal Technologies for Buildings**. Chapter 8, pp164-191. James & James (Science) Publishers.
- Nicol, F. et al (2005). *Safe and Warm: Effect of Climate Change on Thermal Comfort and Health*. In Roaf, S. et al **Adapting Buildings and Cities for Climate Change**, pp111-153. Architectural Press.
- † Nicol, F. and S. Roaf (2007). *Adaptive Thermal Comfort and Passive Architecture*. In **Advances in Passive Cooling**, pp1-29, Earthscan.
- Oke, T.R. (1987). **Boundary Layer Climates**. Chapter 6. Methuen & Co., London.

Olesen, B.W. (2010). *Why specify environmental criteria as categories?* Proc. of Conference "Adapting to Change: New thinking on Comfort"
 † Olesen, B. W. (2007). *The philosophy behind EN15251: indoor environmental criteria for design and evaluation of energy performance of buildings.* **Energy and Buildings** 39, pp740-749. Elsevier. [FS].
 Olesen, B. W. and G. S. Brager (2004). *A better way to predict comfort: the new ASHRAE Standard 55-2004.* Center for the Built Environment, University of California, Berkeley.

☞ see also: List of Software (Appendix 3) on Thermal Comfort.

☞ see also **Design Principles** section

☞ see also: PROBE (Post-occupancy Review of Buildings and their Engineering) case studies at:

www.usablebuildings.co.uk/

PLEA Conference Proceedings

Bodard, M. and A. Evrard (Eds. 2011). **Architecture & Sustainable Development.** Proc. PLEA 2011 Conference, Louvain-la-Neuve.
 Demers, C. and A. Potvin (Eds. 2009). **Architecture, Energy and the Occupant's Perspective.** Proc. PLEA 2009 Conference, Quebec.
 Kenny, P., V. Brophy and J.O. Lewis (Eds. 2008). **Proceedings PLEA 2008** Conference, Dublin.
 Wittkopf S.K. and B.K. Tan (Eds. 2007). **Sun , Wind and Architecture.** Proc. PLEA 2007, National University of Singapore. [CD]
 Compagnon, R. P. Haefeli and W.Weber (2006). **Clever Design, Affordable Comfort.** Vols 1& 2, Proc. of PLEA 2006 Conference. HES.so & University of Geneva. [CD]
 De Wit, M. (Ed. 2004). **Built Environments & Environmental Buildings.** Vols 1&2, Proc. PLEA 2004, Eindhoven Technical University. [CD]
 GRECO (Eds. 2002). **Design with the Environment.** Proc. Of the 19th PLEA Conference (two volumes). GRECO & ACAD, Toulouse. [CD]
 Pereira, F.O.R. et al (eds. 2001). **Renewable Energy for a Sustainable Development of the Built Environment.** Proc. of PLEA 2001 Conference. PLEA International. [CD]
 Raydan, D.K. and H.H. Melki (2005). **Environmental Sustainability.** Vols 1& 2. Proc. PLEA 2005 Conference. Notre Dame University, Lebanon. [CD]
 Steemers, K. and S. Yannas (Eds. 2000). **Architecture City Environment, Proc. of PLEA 2000,** James & James, London. [CD]
 Szokolay, S. (1999). **Sustaining the Future. Energy, Ecology, Architecture.** Proc. of **the PLEA 99** Conference. PLEA International with University of Queensland.
 Maldonado, E. and S. Yannas (1998). **Environmentally Friendly Cities.** Proc. PLEA 98, James & James, London.

☞ see AA Library for Proceedings of earlier PLEA Conferences published annually since 1982.

Daylighting

- † Baker, N. and K. Steemers (2002). **Daylight Design of Buildings**. James & James Science Publishers.
- Baker N V. (2007). *High performance daylighting – light and shade*. Revival Technical Monograph 4 www.revival-eu.net [FS]
- Bell, J. and W. Burt (1995). **Designing Buildings for Daylight**. BRE Publications.
- Fontoynton, M. (Ed. 1998). **Daylight Performance of Buildings**. James & James (Science) Publishers Ltd. London.
- Littlefair, P. (1996). **Designing with Innovative Daylighting**. Building Research Establishment Report.
- † Lynes, J. (2008). *Light*. In **Metric Handbook**-Planning and Design Data. Third Edition. Architectural Press. [FS]
- Society of Light and Lighting (2005). **Lighting Guide 7: Office Lighting**. CIBSE. [FS]
- † Szokolay, S. (2003 / 2008). **Introduction to Architectural Science**. The basis of sustainable design. Architectural Press.

☞ see also The European Database of Daylight and Solar Radiation www.satellite-light.com/core.htm

Design Principles

- † Baker, N.V. (2009). **A Handbook of Sustainable Refurbishment: Non-Domestic Buildings**. Earthscan, London.
- Baker N V. (2007). *Phase change materials in buildings – virtual thermal mass*. Revival Technical Monograph 1 www.revival-eu.net [FS].
- Baker, N.V. and K. Steemers (2000). **Energy and Environment in Architecture – A technical design guide**. E and FN Spon, Taylor Francis Group, London
- Bill Dunster Architects (2003). **From A to Zed**. Realising Zero (fossil) Energy Developments. BDA, London.
- Design for London (2010). **London Housing Design Guide**. London Development Agency.
- Chown, I. (2008). *Houses and Flats*. In **Metric Handbook**-Planning and Design Data. Third Edition. Architectural Press.
- Brophy, V. and J.O. Lewis (2011) **A Green Vitruvius**. 2nd Edition. Earthscan.
- † Ford, B., R. Schiano-Phan, E. Francis (Eds 2010). **The Architecture & Engineering of Draught Cooling**. PHDC Press.
- Gonçalves, J.C. (2010). **The Environmental Performance of Tall Buildings**. Earthscan.
- ‡ Jones, P. (2008). *Thermal Environment*. In **Metric Handbook**-Planning and Design Data. Third Edition. Architectural Press.
- † Koch-Nielsen, H. (2002). **Stay Cool**. A design guide for the built environment in hot climates. James & James Ltd.
- Krishan, A. et al (Eds 2001). **Climate Responsive Architecture: a design Handbook for Energy Efficient Buildings**. Tata McGraw Hill, New Delhi.
- Roaf, S. et al (2001). **Ecohouse: a design guide**. Architectural Press.
- Santamouris, M. (Ed. 2003). **Solar Thermal Technologies for Buildings**. The state of the art. James & James Science Publishers, London.
- † Szokolay, S. (2003). **Introduction to Architectural Science**. The basis of sustainable design. Architectural Press.

- † Thomas, R. (ed. 2005). **Environmental Design**. Taylor & Francis.
- Tutt, P. (2008). Tropical Design. In *Metric Handbook*, Third Edition. Architectural Press.
- ‡ Yannas, S. (2009). *Adaptive Environments*. A conversation with Anne Save de Beurecueil and Franklin Lee. In **Articulated Grounds**, pp20-24. AA Agendas No.7, AA Publications.
- † Yannas, S., E. Erell and J.-L. Molina (2006) **Roof Cooling Techniques**. A Design Handbook. Earthscan.
- † Yannas, S. (1995). **Design of Educational Buildings**. *Book 1: Design Primer*. Environment & Energy Studies Programme, AA Graduate School, London.
- Yannas, S. (Ed. 2000). **Designing for Summer Comfort**. EC Altener Programme. Environment & Energy Studies Programme, AA Graduate School, London. [FS]
- ‡ Yannas, S. (1994). **Solar Energy and Housing Design**. *Volume 1: Principles, Objectives, Guidelines*. AA Publications.

☞ see also sections on : Passive Heating and Cooling; Ventilation; Daylighting; Solar Control.

Engineering

- † Boyle, G. (Ed. 2004). **Renewable Energy Power for a Sustainable Future**. Open University / Oxford University Press.
- Campbell, N.S. & S. Stankovic (2001). **Wind Energy for the Built Environment**. Project WEB, BDSP Partnership Ltd. London.
- † CIBSE (2008). **Concise Handbook**. Chartered Institution of Building Services Engineers, London. [FS]
- CIBSE (2007). **Guide L Sustainability**. Chartered Institution of Building Services Engineers, London.
- CIBSE (2005). **Understanding Controls**. KS4. Chartered Institution of Building Services Engineers, London.
- CIBSE (2005). Guide B. **Heating, ventilating, air conditioning and refrigeration**. Chartered Institution of Building Services Engineers, London. [FS]
- Jones, P. (2008). *Thermal Environment*, Section 8. In **Metric Handbook**-Planning and Design Data. Third Edition. Architectural Press.
- MacKay, D.J.C. (2009). **Sustainable Energy – without the hot air**. UIT. [FS]
- Moss, K.J. (2007). **Heat and Mass Transfer in Buildings**. Second Edition. Taylor & Francis.
- Roaf, S. et al (2001). **Ecohouse: a design guide**. Chapters 8 & 9. Architectural Press.
- Santamouris, M. (Ed. 2003). **Solar Thermal Technologies for Buildings**. James & James (Science) Publishers.
- Thomas, R. (ed. 2006 and later). *Environmental Design*. Routledge.

Environmental Targets & Benchmarks, Environmental Analysis Tools & Data

- ASHRAE. **Handbook of Fundamentals**. American Society of Heating Refrigerating and Air Conditioning Engineers.
- BRE (2008) **Domestic Energy Fact File**. Building Research Establishment.
- † CIBSE (2008). **Concise Handbook** (see Guide F). Chartered Institution of Building Services Engineers, London. [FS]

CIBSE (2006) **Environmental Design**. Guide A, 7th Edition. Chartered Institution of Building Services Engineers, London. [FS]
Clarke, J.A. (2001). **Energy Simulation in Building Design**. Second Edition.
DCLG (2006). **Code for Sustainable Homes**. Department for Communities and Local Government, London. [FS]
Gonçalves, J. and K. Bode (2011). *The Importance of Real Life Data to Support Environmental Claims for Tall Buildings*. CTBUH Journal Issue II pp24-29.
MacKay, D.J.C. (2009). **Sustainable Energy – without the hot air**. UIT. [FS]
Turrent, D. (Ed. 2007). **Sustainable Architecture**. RIBA Publishing. [FS]
Yannas, S. (1994). **Solar Energy and Housing Design**. *Volumes 1&2*.
Yannas, S. (1996). *Energy Indices and Performance Targets for Housing Design*.
Energy and Buildings no. 23, pp237-249, Elsevier Science, Lausanne.
Yannas, S. (2001/2010). **Environmental Design Support Tools**. Environment & Energy Studies Programme, AA Graduate School, London. [FS]

☞ see also: CarbonBuzz www.carbonbuzz.org/

☞ see also: PROBE (Post-occupancy Review of Buildings and their Engineering) case studies at:

www.usablebuildings.co.uk/

☞ see also: ihs for building regulations and construction data (AA Library for login)

☞ see also: UK Building Regulations and Building Research Establishment (BRE) Publications.

☞ Specialist environmental software used on SED project work are listed in Appendix 3.

Environmental Assessment, Life Cycle Costing

Anderson, J. D. Shiers and K. Steele (2009) *The Green Guide to Specification*. BRE Press. [FS]

Arink, D., C. Boonstra, J. Mak (1996). **Handbook of Sustainable Building**: an environmental preference method for choosing materials in construction and renovation. James & James.

BRE (1998 and later). **BREEAM**. Building Research Establishment Report.

DCLG (2006). **Code for Sustainable Homes**. Department for Communities and Local Government, London. [FS]

RIBA (no date). **Climate Change Tools**. Royal Institute of British Architects. See in particular the booklets on *Whole Life Assessment for Low Carbon Design* and *Carbon Literacy Briefing*.

☞ see also: BRE Green Guide www.bre.co.uk/greenguide

☞ see also: BREEAM www.breeam.org/

Environmental Sustainability Theories & Issues

Banham, R. (1984). ***The Architecture of the Well-Tempered Environment***, The Architectural Press Ltd., London.

Bay, J.-H. and B.-L. Ong (2006). **Tropical Sustainable Architecture**. Social and environmental dimensions. Architectural Press.

Benyus, J. (1997). **Biomimicry**. Innovation inspired by Nature. Harper Perennial.

- Cole, R.J., Z. Brown and S. McKay (2010). *Building Human Agency: a timely manifesto*. Building Research & Information, 38(3) pp339-350, Routledge. [FS]
- Hagan, S. (2001) **Taking Shape**: the new contract between architecture and nature. Architectural Press, Oxford.
- Mostafavi, M. and G. Doherty (Eds. 2010). **Ecological Urbanism**. Lars Muller Publishers.
- Rogers, R. (1997). **Cities for a Small Planet**. Faber & Faber, London.
- † Smith, P.F. (2006). **Architecture in a Climate of Change**. Architectural Press.
- Tombazis, A. N. (2007). **Letter to a Young Architect**. Libro.
- † Yannas, S. (2003). *Towards Environmentally Responsive Architecture*. In Proc. PLEA 2003. [FS]
- ‡ Yannas, S. (2011). *Adaptive Strategies for an Ecological Architecture*. Architectural Design AD Special Issue on Experimental Green Strategies, pp63-69
- † Yannas, S. (2002). **How Do I Know if it is What They Say it is ?** Environment & Energy Studies Programme, AA Graduate School, London. [FS]
- Yannas, S. (1989). *Physics and Architecture: Issues of knowledge transfer and translation to design*. in **Solar & Wind Technology**, Vol.6, No.4, pp301-308, Pergamon Press.
- Yeang, K. and A. Spector (Eds. 2011). **Green Design: from theory to practice**. Black Dog Publishing.

Materials & Construction Techniques

- Addington, M. and D. Schodek (2005). **Smart Materials and Technologies**. Architectural Press.
- Berge, B. (2009). **The Ecology of Building Materials**. Architectural Press. [FS]
- Fernandez, J. (2006). **Material Architecture**. Emergent technologies for innovative buildings and ecological construction. Architectural Press.
- Woolley, T. (2006). **Natural Building**. A guide to materials and techniques. The Crowood Press.
- Woolley, T. and S. Kimmins (2002). **Green Building Handbook**. Spon Press.
- Zold, A. and S. Szokolay (1997). **Thermal Insulation**. PLEA Note 2. PLEA / University of Queensland.

☞ see also Environmental Design Principles & Data, Engineering Manuals, Environmental Analysis Tools & Data sections.

Passive Heating & Cooling

- Bowen, A., et al (Eds. 1981). **Passive Cooling**. American Solar Energy Society.
- † Ford, B., R. Schiano-Phan, E. Francis (Eds 2010). **The Architecture & Engineering of Draught Cooling**. PHDC Press.
- † Givoni, B. (1994). **Passive and Low Energy Cooling of Buildings**. Van Nostrand Reinhold.
- Goulding, J.R., J.O.Lewis and T.C. Steemers (Eds. 1992 and later). **Energy in Architecture: the European Passive Solar Handbook**. Batsford for Commission of the European Communities.

- Koch-Nielsen, H. (2002). **Stay Cool**. A design guide for the built environment in hot climates. James & James (Science) Publishers.
- Lall, A.B. and R. Parakh (2008). *Preventive strategy for air conditioning – a case for India*. Proc. Conf. Air Conditioning and Low Carbon Cooling Challenge. [FS]
- Littlefair, P. et al (2006). **Design for improved solar shading control**. CIBSE TM37.
- Littlefair, P. (1999). **Solar Shading of Buildings**. Building Research Establishment.
- † Parsloe, C. (2005). **Sustainable low energy cooling: an overview**. Knowledge Series KS3. CIBSE.
- † Santamouris, M. (Ed. 2007). **Advances in Passive Cooling**. Earthscan. (see chapters by different authors).
- † Schiano-Phan, R. (2010). *Environmental retrofit: building integrated passive cooling in housing*. **Architectural Research Quarterly** vol14 no.2 pp139-152. Cambridge University Press.
- ‡ Szokolay, S. (1996). **Solar Geometry**. PLEA Note 1. PLEA International / University of Queensland.
- ‡ Yannas, S. and O.D. Corbella (2001). *Learning from Built Examples in Rio de Janeiro*. **Proc. PLEA 2001**, Florianopolis. [FS]
- Yannas, S. (2001). *Passive Design Strategies: Heating and Cooling*. In **Climate Responsive Architecture: a design handbook**. Tata McGraw Hill, New Delhi.
- Yannas, S. (Ed. 2000). **Designing for Summer Comfort**. EC Altener Programme. Environment & Energy Studies Programme, AA Graduate School, London. [FS]
- † Yannas, S., E. Erell and J.-L. Molina (2006) **Roof Cooling Techniques**. A Design Handbook. Earthscan.
- ‡ Yannas, S. (1994). **Solar Energy and Housing Design**. *Volume 1: Principles, Objectives, Guidelines*. Architectural Association Publications.

☞ see also: Daylighting; Design Principles; Ventilation

Ventilation

- Allard, F. (Ed. 1998). **Natural Ventilation in Buildings**. See Chapters 4-7. James & James (Science) Publishers Ltd. London.
- † Baker N V. (2007). *Natural ventilation strategies for refurbishment projects*. Revival Technical Monograph 3 www.revival-eu.net. [FS]
- ‡ CIBSE (2005). **Natural Ventilation in Non-Domestic Buildings**. Applications Manual AM10. Chartered Institution of Building Services Engineers, London. [FS]
- CIBSE (2005). Guide B. **Heating, ventilating, air conditioning and refrigeration**. Chartered Institution of Building Services Engineers, London. [FS]
- † CIBSE (2005). Guide A. Chapter 4. **Ventilation and Infiltration**. [FS]
- Edwards, R. (2005). **Domestic Ventilation**. Elsevier Butterworth-Heinemann.
- Ghiaus, C. and F. Allard (Eds 2007). **Natural Ventilation in the Urban Environment**. Earthscan. (The mathematical sections can be omitted).
- Seppanen, O. (2007). *Ventilation strategies for good indoor air quality and energy efficiency*. 2nd PALENC Conference, Crete. [FS]