Please send news and information you would like to be included in the e-Newsletter to Sirinath Jamieson at sirinath.jamieson02@imperial.ac.uk. Many thanks.

CIBSE Intelligent Buildings Group

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1. NEWS

Our CIBSE/IB Group now has over 5,225 members in 113 countries.

Last month Professor Derek Clements-Croome lectured in 12 workshops to members of CIBSE Australia and New Zealand on “Challenges & Opportunities for Green Intelligent Buildings in the 21st century”, “Creating the Productive Workplace” and “Sustainable Building Solutions: A review of lessons from the natural world”. Whilst there, he also gave an interview on the “Mornings with Margaret Throsby” radio programme, on ABC Classic FM, on 21st April 2008, during which he discussed the topic of “Intelligent Buildings” and played violin.

• An Intelligent and Sustainable Commercial Infrastructure for London

Ken Gray, Performance Building Partnership, gave a presentation at a morning session workshop on “Intelligent Buildings as part of An Intelligent and Sustainable Commercial Infrastructure for London” on 28th April 2008.
London is a knowledge-based economy, and seems likely to become even more knowledge intensive in the future. Two important means of ensuring that this economy is both economically successful, and sustainable, are a) more effective use of greener buildings, and b) an energy efficient Information & Communications Technology (ICT) infrastructure. The latter supports ‘intelligent buildings’; can only be achieved by IT-facilities collaboration (e.g. on data centre cooling and layout); and provides a platform for other sustainable applications.

Click here for more details.

**BRE Acquires Europe’s Leading Intelligent Building Consultancy Division**

BRE has acquired two specialist business divisions of i&i limited, Europe’s leading intelligent building consultancy. This acquisition brings two important service areas into BRE – intelligent building systems consultancy and the world-renowned Centre of Excellence for Intelligent Building (ibexcellence). More....

**The World’s First Zero Carbon City: MASDAR, Abu Dhabi, UAE**

Masdar city, Abu Dhabi, will be carbon neutral, car free, with zero waste production. A centrepiece to this development will be the Masdar Institute for Science Technology (MIST). To meet Masdar’s One Planet Living® commitment to be a net zero carbon city, there is an absolute imperative for MIST to play its full part in minimising energy consumption. This has led to the MEP design team, PHA Consult, working in collaboration with Foster + Partners to evaluate and integrate the lessons and principles of traditional Arabian bioclimatic design with the latest innovations in HVAC and renewable energy technology in one of the world’s most challenging climates.


**2. CALLS**

- http://www.epsrc.ac.uk/CallsForProposals/default.htm
- http://www.researchresearch.com/entry/entry.htm

**3. RESEARCH**

- Intelligent Inhabited Environments Group (IIE)

  Department of Computer Science
  University of Essex, Wivenhoe Park.
  Colchester CO4 3SQ United Kingdom

  The IIE group is involved in developing methods to enable non-technical end-users to harness the potential of pervasive computing systems in their everyday lives.

  Pervasive computing entails numerous networked appliances coordinating their actions together to provide higher-level functions that support and enhance the user’s life. A popular vision for this world is one in which the end-user is empowered to be the designer of his or her own environment, choosing the devices and the determining the required functionality. As the combination of devices and the required functionality is open ended, the question arises as to how a non-technical user can be empowered to design or “program” these systems of coordinating appliances (which may be novel for a given user). Finding solutions to this challenge is the principal focus of the IIEG. More.....

- Informatics Research Group

  School of Systems Engineering, University of Reading.

  Informatics is the study of the creation, management and utilisation of information in scientific and economic activities using computational and communication technologies. It is concerned with the effective use of information resources in modern society. The research work addresses theoretical issues as well practical questions. In the theoretical and methodological front, our work can be found in semiotics in information systems and organisations, impact and valuation of information, business intelligence and business performance management, sustainable and evolvable systems architecture, social computing, pragmatic web, software engineering, requirements engineering, and information systems methodologies.

  Our applied research covers enterprise information systems, healthcare management informatics, e-government and e-business systems, business and IT strategies, collaborative work, knowledge management and e-learning. More....


4. EVENTS

• 4th IET International Conference on Intelligent Environments (IE 08)

21 – 22 July 2008: University of Washington in Seattle, USA.

The conference will bring together researchers from both industry and academia from the various disciplines contributing to the area on Intelligent Environments.

Such disciplines include, but are not limited to: Ambient Intelligence, Ubiquitous Computing, Pervasive Computing, Applications of smart environments (such as health monitoring/assistance, energy efficiency, etc.), Intelligent Agents and Agent Technologies, Middleware and Programming Models, Context aware Systems, Networking and Communications, Human-Computer Interaction, Multimodal Spoken Language Dialogue Systems, Knowledge Management, Domestic and Rehabilitation Robotic systems, Smart sensors and actuators, Microelectronics and Hardware, Smart Material, Architectural Aspects, Art and Design, Social Aspects, Legal and Ethical Aspects, Smart Environments Applications, and Virtual Environments.

More information can be found here.

• 3rd CIB International Conference on Smart and Sustainable Built Environment (SASBE 2009)


The emphasis at SASBE conferences is on an integrated approach via different disciplines and different scales. SASBE2009 focuses on smart solutions for the built environment in a changing climate. It supports a positive approach that uses climate change and limited resources as a stimulus for better planning, design and construction, and the development of smart, clean and effective technologies, cradle to cradle.

Follow the example of a succession of great people who put sustainability on the political agenda and present your world with your own solutions at SASBE2009. More.....

5. ONLINE

• http://www.ibgroup.org.uk/index.asp
• http://www.buildingecology.com/index.php
• http://www.cmips.org.uk/index.htm
• http://www.redbooklive.com/page.jsp?id=72
• http://www.bre.co.uk/page.jsp?id=725
• http://www.uniformat.com/intelligent-building.html
• http://www.ibrg.rdg.ac.uk/
• http://www.caba.org/index.html
• http://imis.bomampls.org/BOMA/scriptcontent/staticpages/IntelligentBldgsSeminar.htm

6. NEW PUBLICATIONS

• Intelligent Buildings International: New Journal Launched at Ecobuild 2008

Intelligent Buildings International, the new peer-reviewed journal published by Earthscan on the design, management and construction of intelligent buildings was launched on 26th February 2008 at Ecobuild 2008, Earls Court, London.

Intelligent Buildings International examines developments in the design, construction and operating procedures for intelligent buildings, and will explore the wider context, linking practical solutions with sociological and economic considerations.

More information can be found here.

7. COURSES AND TRAINING

Adverts can be placed for courses and training in future editions of this e-Newsletter.

• MSc Intelligent Buildings, School of Construction Management and Engineering, University of Reading.
• MSc Intelligent Building Technology and Management, The Hong Kong University of Science and Technology.
• LEED® & Intelligent Buildings Online Seminar
• CIBSE courses
• Intelligent NextGen Buildings: Combining Technology with Improved Building Systems.
• AET CPD Seminar, "Intelligent Buildings: Design Freedom & Innovation, The Part Underfloor Air Conditioning Can Play"