I3CON International Conference Programme
Loughborough, UK. 14-16, May 2008

Wednesday 14 May 2008

15:00 Registration I + Coffee
15:30 Site / Laboratory Visits
17:30 Cocktail Reception

Time
08:30 Registration II + Coffee
09:00 Opening Plenary: Welcome by Dr Tarek Hassan (Loughborough University) & Opening by Jesus Rodriguez (session chair) (Dragados)
09:30 Keynote Speech: Dr Miguel Segarra (Dragados), “I3CON: Industrialised, Integrated, Intelligent Construction”
10:00 Presentation from the European Commission, ICT for Energy Efficiency Unit, Mr Brice Lepape and REEB project
11:00 Coffee/Tea Break

Session I: Industrialised and Adaptable Construction (Chair: Alistair Gibb, Loughborough University)

11:20 R. P. Geraedts: Design for Change: Flexibility Key Performance Indicators
11:40 S. Kendall: Under What Conditions are “Industrialization” and “Integration” Useful Concepts in the Building Sector?
12:00 A. Fuster: Adaptable Futures Setting the Agenda
12:20 W. Gielingh: Business Innovation in Construction through Value Oriented Product/Service Offerings for Living Buildings
12:40 B. L. Jensen: Automatic Manufacturing of Unique Concrete Structures

Session II: Technologies for Intelligent Building Services (Chair: Miguel Segarra, Dragados)

12:00 F. Shultmann: Life Cycle Information of Buildings Supported by RFID Technologies
12:20 Alain Zarli: ICT in Smart Buildings Supporting Ambient Assisted Living for Elderly People
12:40 Scott Turner: Beyond Biomimicry: What Termites Can Tell Us about Realizing the Living Building

13:00 Buffet Lunch

Session III: Industrialised Construction (Chair: Veijo Lappalainen, VTT)

14:00 N. A. Ahmad Bari: Constructions Cost Modeling for Industrialised Building System in the Malaysian construction Industry
14:20 Z. Hicham: Evolutionary Modeling as a Mean of Mass-customization for Industrialized Building Systems - Two Cases Explored-
14:40 J. Oiti: The Potential of Unfried -Stabilised Soil for Building Material Development in UK
15:00 R. Marsh: Future Directions for Building Services Technologies in Denmark
15:20 J. Ye: Identifying New Construction Demands - A Stakeholder Requirement Analysis
15:40 Discussion

16:00 Coffee/Tea Break

Session IV: Advanced Application of Real-time Integrated Buildings (Jan Camphuysen, D&P)

16:00 V. Lappalainen: Integrated Overall Building Services Systems Architecture
16:20 I. Karvonon: Towards a Reference Model for Building Lifecycle Performance Measurement
16:40 L. Bilan: Service engineering Approaches in Construction Industry
17:00 K. Piria: Real Time Building Information Service for Emergency Management
17:20 A. Malatras: An Enterprise Architecture for Integrating Building Services

18:30 Trip to the National Space Centre

Tour in the National Space Centre
Conference Gala Dinner
Local Cultural Entertainment

23:00 Return from the National Space Centre

Friday 16 May 2008

09:00 Welcome / Introduction to Day 2
09:15 Keynote Speech: Dr Reijo Kohonen, CEO, Global EcoSolutions Oy, Finland, - “A Future of Building Technologies: Globally Optimised-Locally
09:45 Keynote Speech: Dr David Clarke, CEO of the Energy Technology Institute (ETI), “Distributed Energy for Eco-towns”
10:15 Summary of Workshops (Adaptable Futures, TERMES and ECTP)
11:00 Coffee/Tea Break

Session V: Technologies for Intelligent Building Services (Chair: Hamid Asgari, Thales)

11:20 B. Hasselaar: Simulation of Innovative Climate Control Strategies Using Passive Technologies
11:40 C. Y. Yong: Automated Assessment of Buildings, based on the Deployment of Wireless Networks of Sensors
12:00 S. Schmipf: Technology Monitoring in Construction - a Concept for Internet Supported Identification of Experts in the Definition of the Search Field for Gateway
12:20 R. Piria: Integrated Building Information Service Through Building Services
12:40 J. Harris: Customer Satisfaction with Maintenance Contracts

Session VI: Energy Efficiency and Industrial Presentations (Chair: Dennis Loveday, Loughborough University)

11:20 M. Abdunnabi: Towards an Automated Technique for Optimising the Design of Thermosyphon Solar Water Heaters
11:40 V. Renzi: GENHEPI: Demonstration Program for Low Energy Renovation
12:00 N. Boid: Underground Thermal Energy Storage for Efficient Heating and Cooling of Buildings
12:20 D. Palić: Totally Integrated Building Automation
12:40 A. Iglesias: High Energy Efficiency In Intelligent Housing Built Through

13:00 Buffet Lunch

13:30 Conference Ends