

# First International Conference on Industrialised, Integrated, Intelligent Construction (I3CON)

Loughborough UK, 14-16 May 2008

www.i3con.org E: I3CONF@Lboro.ac.uk



Revolutionary construction and production technologies are needed to enable the development of a sustainable European construction industry, which will deliver flexible and adaptable building space that uses less resources and provides optimum environment to the occupants improving their quality of life and productivity.

This will be achieved by using distributed control systems with embedded sensors, wireless connections, ambient user interfaces and autonomous controllers. New added-value business models with highly specialised SMEs working in radically contracted supply chains will deliver high performance spaces, smart business services and lifecycle solutions. The conference topics include:

## Industrialised building service system

- Open Building Services systems architectures and standard interfaces
- Models and reference solutions for mass customisation
- Prefabricated, quick installable product systems
- Performance based contracting and real-time performance metrics
- Conformance testing and certification practices including EPBD
- Market research on industrialised building services (Industrialisation)

## Advanced applications of real-time integrated buildings

- Integrated user interfaces providing access to all building information
- Utilisation of real-time building information in reactive and proactive building management
- Utilisation of real-time building information in enterprise applications
- Life cycle optimisation of integrated building services
- Life cycle information sharing and management through BIMs
- Integration of indoor climate control and services to occupants of spaces
- Building services management
- Usability of integrated building services

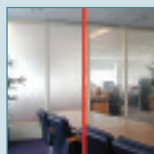
## Technologies for intelligent building services

- Networked intelligent building service products
- Standards for building automation and control
- Integration of building information systems using Web Service technologies
- Wireless sensor networks in buildings
- Recent development within IAI/IFC like new domain models, model servers, data access interfaces and new design tools
- BACS objects in model based applications
- Usage of simulation, for example guidance, control action design, prediction, training etc.

The conference scientific committee includes more than 30 international experts in the area of Industrialised Integrated Intelligent Construction

## Programme highlights

- Two presentations from the EC on newly funded projects and funding opportunities on ICT for Energy and NMP programmes
- High profile keynote speakers on I3CON areas (see website for updates)
- Special workshops:
  - Adaptable Futures: Developing adaptable buildings
  - TERMES (Termite Emulation of Regulatory Mound Environments by Simulation): Massive passive ventilation; walls as membranes not barriers; impedance structures
  - ECTP (European Construction Technology Platform): Roadmaps for RTD areas in construction
- Plenary & parallel paper sessions
- Poster presentations



## Programme summary

Wednesday, 14 May	Poster & Exhibition Setup Technical tours Cocktail reception
Thursday, 15 May Morning	Welcome & introduction speech Two keynote speeches Parallel paper presentations
Thursday, 15 May Afternoon	Parallel paper presentations Adaptable Futures workshop/TERMES workshop/ECTP workshop
Thursday, 15 May Evening	Trip to National Space Centre in Leicester Conference gala dinner
Friday, 16 May	Presentations: Funded FP7 projects & funding opportunities on ICT for Energy and NMP programmes Parallel paper presentations Keynote speech Conference ends

**Registration fees** (including CD of proceedings and hard copy of abstracts)  
 Before 15th April, 2008 After 15th April, 2008  
 Full Registration Fee £300.00 Full Registration Fee £350.00  
 Student Registration Fee £200.00 Student Registration Fee £250.00  
 Conference full papers proceedings (optional) £50.00

**How to register**

Registration form available from [www.i3con.org](http://www.i3con.org).

**Exhibition**

Exhibition area available on request, please contact the organisers for more information.

**Return registration form**

By fax: Fax your registration form to +44 (0)1509 223981  
 By email: Send the copy of your registration form to I3CONF@Lboro.ac.uk  
 By post: Dr Jilin Ye  
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**Accommodation** (Please book early to take advantage of the conference preferential rates)

Name	Star	Rate	Transfer	URL/Phone	Notes
Burleigh Court	4	£106	On campus	<a href="http://www.welcometoimago.com">www.welcometoimago.com</a> +44 (0)1509 211515	Ref: 54677 & quote "Loughborough University" when booking
Quality Hotel & Suites Loughborough	3	£80	2.5 km/ 5 mins	<a href="http://www.QualityHotelLoughborough.co.uk">www.QualityHotelLoughborough.co.uk</a> +44 (0)1509 211800	Ref: 945 & quote "Loughborough University" when booking
Ramada Jarvis Loughborough	3	£70 (S) £85 (D)	3 km/ 7 mins	<a href="http://www.activehotels.com">www.activehotels.com</a> +44 (0)1509 214893	Ref: UNI1405 & quote "Loughborough University" when booking
Thistle Hotel East Midlands Airport	4	£100	13 km/ 14 mins	<a href="http://www.thistlehotels.com">www.thistlehotels.com</a> +44 (0)870 333 9132	Ref: LOUG140508 & quote "Loughborough University" when booking
Hilton East Midlands Airport Hotel	4	£100 (S) £110 (D)	15 km/ 16 mins	<a href="http://www.hilton.co.uk/eastmidlandsairport">www.hilton.co.uk/eastmidlandsairport</a> +44 (0)1509 674000	Ref: GLOUA & quote "Loughborough University" when booking
Best Western Premier Yew Lodge Hotel	4	£120	12 km/ 15 mins	<a href="http://www.yewlodgehotel.co.uk">www.yewlodgehotel.co.uk</a> +44 (0)1509 672518	Quote "Loughborough University" when booking

**Conference venue: Henry Ford College**



**Day 1 tour**

Technical tour encompassing latest technologies in construction and manufacturing



**Day 2 trip & dinner**

Visit and gala dinner at the National Space Centre including a drinks reception within the interactive, three-floor rocket tower and local cultural entertainment

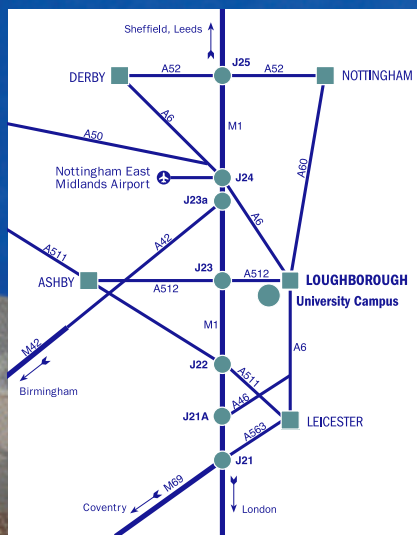
**Things to do, places of interest and travel**

Loughborough is a thriving town with plenty of restaurants, pubs and bars (>100) to relax in. It is also well located for many nearby attractions:

- Shopping (Nottingham/Leicester/Derby)
- State-of-the-art sports facilities on campus
- Castles & Culture (The Robin Hood experience, Nottingham, Sherwood Forest, Warwick Castle)
- Stately homes (Chatsworth House, 80km; Calke Abbey, 30km; Sudbury Hall and Museum of Childhood, 45km)
- Peak District National Park: Only an hour to the delights of Britain's first National Park

**For more local information**

[www.eastmidlandstourism.co.uk/](http://www.eastmidlandstourism.co.uk/) and [www.enjoyeastmidlands.com/](http://www.enjoyeastmidlands.com/)



**Conference Chair:**

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