

FINAL PROGRAM



10-11 June 2013

University of Lincoln

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NOTES

ECEC'2013 – FUBUTEC'2013 – EUROMEDIA'2013 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

Conference Site: Room MC0025, MHT Building, Bradford Campus, University of Lincoln, Lincoln, LN6 7TS. For any local information contact Patrick Dickinson:  Tel. +44- 1522.886.946,

 Email: pdickinson@lincoln.ac.uk  University Tel: +44-1522.837.302 (Jacky Withey) and +44.1522.886.466 (Jane Chapman) College Office 3rd Floor MHT Building, website: <http://www.lincoln.ac.uk>

Only papers in gray boxes are eligible for the best paper award

Monday, June 10, 2013

09.00 - 15.00 **Registration**

09.30 - 10.00 **Welcome**

Welcome Address

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

Welcome Speech

David Cobham, University of Lincoln, Lincoln, United Kingdom

Et al...

10.00 - 10.30 **Coffee/Tea Break**

10.30 - 11.30 **Session I**

KEYNOTE SPEECH

10.30-11.30

Session Chairperson:

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

KEY_01

The Future of Serious Games and Immersive Technologies

David Wortley, Immersive Technology Strategies

Monday, June 10, 2013

11.30 - 12.30 **Session II**

RISK MANAGEMENT

11.30-12.30

Session Chairperson:

Dr. Eliseo Vilalta-Perdomo, University of Lincoln, Lincoln, United Kingdom

FUB_05

Analysis of the Subjects' Attitude toward Risk and Ambiguity in the Financial Game through a Bayesian Network

Irene Comeig, Pilar Fuster-Parra and Ainhoa Jaramillo-Gutiérrez 5

FUB_06

Future Decision-Makers and Complexity: Learning Problem structuring through System Dynamics

Eliseo Vilalta-Perdomo 13

12.30 - 14.00 **Lunch Break**

14.00 - 15.00 **Session III**

INVITED SPEAKER

14.00-15.00

Session Chairperson:

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

INV_02

Uncovering Conversations on Social Media

Shaun Lawson, University of Lincoln, Lincoln, United Kingdom

15.00 - 15.30 **Coffee/Tea Break**

Monday, June 10, 2013

15.30 - 17.00 **Session IV**

MANAGEMENT TECHNIQUES

15.30-17.00

Session Chairperson:

Dr. Bashir Al Diri, University of Lincoln, Lincoln, United Kingdom

ECEC_01

A Concurrent Design Approach and Model Management Support to Prevent Inconsistencies in Multidisciplinary Modelling and Simulation

Xiaochen Zhang and Jan F. Broenink **21**

ECEC_02

Implementation and Management of Master Geometry in Multifunctional Design Environment

Tümay Mart and Can Cangelir..... **29**

WEBTEC_03

Towards 3D Crowdsourcing: Easing Web3D Navigation Using User Traces


Thi Phuong Nghiem, Axel Carlier, Geraldine Morin and Vincent Charvillat..... **34**

19.30 - **CONFERENCE DINNER**



[Barge on the Brayford](#)

Brayford Wharf North
Lincoln Lincolnshire LN1 1YW

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 Email: brayfordbarge@btconnect.com

Tuesday, June 11, 2013

09.00 - 12.00 **Registration**

09.00 - 10.00 **Session V**

INVITED SPEAKER

09.00-10.00

Session Chairperson:

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

INV_01

Multi-Core to Many-Core: Intel's Blunder and Gamer's Nightmare

Prof. Kofi Appiah, of the University of Essex in Colchester, United Kingdom

10.00 - 10.30 **Coffee/Tea Break**

10.30 - 12.30 **Session VI**

TUTORIAL

10.30-12.30-

Session Chairperson:

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

TUT_01

[Gesture Recognition and Control using Microsoft Kinect](#)

Dr. John C. Murray, University of Lincoln, Lincoln, United Kingdom

12.30 - 14.00 **Lunch Break**

14.00 - 15.00 **VISIT**

VISIT TO THE GAMES LAB

Visit managed by Olivier Szymanczyk, University of Lincoln, Lincoln, United Kingdom

Tuesday, June 11, 2013

15.00 - 15.30 **Coffee Break**

15.30 - 17.00 **Session VII**

PRODUCT DESIGN OPTIMIZATION

15.30-17.00

Session Chairperson:

Dr. John Murray, University of Lincoln, Lincoln, United Kingdom

FUB_01

Global Optimization Techniques in the Design of the Electric Power Lines

Ovidiu Alupei Cojocariu, Szilard Feher and Nicolae Vasiliu **41**

ECEC_04

Multi-Camera Complexity Assessment System for assembly line work stations

Karel Bauters, Hendrik Van Landeghem, Dirk Van Haerenborgh, Maarten Slembrouck, Dimitri Van Cauwelaert, David Van Hamme, Peter Veelaert and Wilfried Philips **46**

MEDIATEC_02

Researches on Depth Image Haptization System with Local Deformation

Xiangning Liu, Tatsunori Muraishi, Katsuhito Akahane and Makoto Sato **53**

17.00 - 17.15 **Session VIII**

CLOSING SESSION

17.00-17.15-

Session Chairperson:

Patrick Dickinson, University of Lincoln, Lincoln, United Kingdom

Best Paper Award Ceremony and closing statements

CONFERENCE LOCATION MAP



Lincoln City Centre

Brayford (Main Campus)

- | | |
|---|--|
| 1 Accommodation Office
Graduate School | 14 Sparkhouse Studios |
| 2 Architecture Building | 15 Sports Centre |
| 3 Bridge House | 16 Student Centre |
| 4 Business & Law | 17 Student Village |
| 5 EMMTEC | 18 Think Tank |
| 6 Engineering Building | 19 University Library |
| 7 Enterprise@Lincoln | 20 Village Hall |
| 8 LSAD (coming 2013) | 21 Witham House |
| 9 Main Administrative Building | 22 Chad Varah |
| 10 Marina Building | 23 Greestone Building /
Tithe Barn |
| 11 Media, Humanities & Technology | 24 Thomas Parker House |
| 12 Lincoln School of Performing Arts
LPAC (Lincoln Performing Arts Centre) | 25 Health Centre & Student Services |
| 13 Science Centre | 26 Engine Shed, Students' Union,
SOAP Centre, Tower Bar |
| | 27 College of Science
Science & Innovation Park |

Key

- Primary Route
- Secondary Route
- Pedestrianised

University Parking

- C Cycle Parking
- P Permit/Pay and Display
Car Parking
- V Visitor Car Parking
(Must be booked)
- P Public Car Parking

The Cathedral Quarter is 12 minutes walk from the Brayford Main Campus.



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This map last updated
11 Feb 2013

ECEC'2014-FUBUTEC'2014-EUROMEDIA'2014**SEE YOU NEXT YEAR****AT ECEC'2014- FUBUTEC'2014 - EUROMEDIA'2014
April 2014 – Novotel Bruges, Belgium****Suggestions for tracks and workshops can be sent in by September 1st 2013****ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL**

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. **If a session chair is not available then the first author takes on the responsibility to chair**

THE NUMBERS NEXT TO THE PRESENTATIONS DENOTE THE PAGE-NUMBERS IN THE PROCEEDINGS. IF NO NUMBERS ARE MENTIONED THEN THIS PAPER IS NOT PUBLISHED IN THE PROCEEDINGS

THE AUTHORS WHO ARE UNDERLINED ARE NORMALLY THE PRESENTERS

PAPERS IN GREY BOXES ARE THE EXTENDED PAPERS ELIGIBLE FOR THE BEST PAPER AWARD

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<http://www.eurosis.org>

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EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project-driven instead of driven by pure membership and conferences.

The aim of the Society is to set up topic related Technical Committees which will link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC.

If you would like to receive more information about EUROSIS, please contact

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