

Computational Intelligence UKRI Chapter

Report October 2011, D. Coyle

Committee

Chair: Dr Damien Coyle, University of Ulster

Vice-chair: Dr Ke Chen, University of Manchester

Past-chair: Prof Leslie Smith, University of Stirling

Secretary: TBD

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Northern Ireland Representative: Dr. Ammar Belatreche, University of Ulster

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Scotland Representative: Prof. Leslie Smith (acting), University of Stirling

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GOLD Representative: Mr Snaider Carrillo, University of Ulster

Women in CI Research Representative: Dr. Keeley Crocket, Manchester Metropolitan University

Webmaster: Dr. Damien Coyle, University of Ulster

Website : <http://ewh.ieee.org/r8/ukri/cis/>

Activities

The chapter has been active in co-sponsoring a number of events and holding meetings in the past few months.

Chapter meetings/events in May 2010 – Nov 2011.

1. **Seminar on:** “Novelty Detection for Autonomous Inspection Robot in Dynamic Environment”, Intelligent Systems Research Centre, University of Ulster, 1.00pm 5th October, 2011 by Mr. Mr. Emre Özbilge, Cognitive Robotics team, Intelligent System Research Centre (ISRC), University of Ulster.
2. **Seminar on:** “Contributions to the cooperative guidance of intelligent transportation systems: indoor demonstrators.”, Intelligent Systems Research Centre, University of Ulster, 1.00pm 27th July, 2011 by Dr. Felipe Espinosa, Electronics Department, University of Alcalá, SPAIN.
3. **Seminar on:** “Reduced Rank Image Series Decompositions and their Applications”, Intelligent Systems Research Centre, University of Ulster, 1.00pm 29th June, 2011 by Dr Venkatesh K Subramanian, Indian Institute of Technology Kanpur, India.
4. **Seminar on:** “Understanding simple decision making through perturbation”, Intelligent Systems Research Centre, University of Ulster, 1.00pm 15th June, 2011 by Dr KongFatt Wong-Lin, CNRT team, Intelligent Systems Research Centre, University of Ulster at Magee.
5. **Seminar on:** “Robust and Real-Time Visual SLAM”, Intelligent Systems Research Centre, University of Ulster, 1.00pm 25th May, 2011 by Dr. Brian Williams, NASA Jet Propulsion Laboratory, Pasadena, California.

Technical Co-sponsorship (2011):

The chapter is providing (has provided) technical co-sponsorship to a number of UKRI based events in 2011. These include

[ACIB11](#), **1st Annual Conference on Integral Biomathics**, Stirling University, Scotland, 29-31 August 2011.

[Webinar](#) by UKRI member hosted by IEEE Toronto Section Titled: **Semantic knowledge-based framework to improve the situation awareness of autonomous underwater vehicles** by Dr. Emilio Miguelanez Martin, Senior Development Engineer at Seebyte Ltd. UK, 14th June, 4pm-5.30pm (BST)

[AICS2011](#), **The 2011 Artificial Intelligence and Cognitive Science Conference**, University of Ulster, Magee Campus, 5-7 September, 2011.

[ACIB11](#), **1st Annual Conference on Integral Biomathics**, Stirling University, Scotland, 29-31 August 2011.

[CEEC2011](#), **3rd Computer Science and Electronic Engineering Conference**, School of Computer Science and Engineering, University of Essex, Colchester, UK 13 -15 July, 2011.

[BCI-AR2011](#), **International UKIERI Workshop on the Fusion of Brain-Computer Interfaces and Assistive Robotics**, University of Ulster, Derry, N. Ireland, 7-8 July, 2011.

[ISSC2011](#), **22nd Irish Signals and Systems Conference**, School of Engineering, Trinity College Dublin, Dublin, Ireland 23 -24 June, 2011

[IEEE CIS UKRI GOLD Careers Workshop](#) De Montfort University, Leicester, UK, **13** May, 2011 (FREE)
This was a free event organised by the researchers at DeMonfort University, the University of Ulster and IEEE CIS UKRI chapter officer and co-sponsored by the IEEE CIS UKRI chapter.

[Webinar](#) by UKRI member hosted by IEEE Toronto Section Titled: **Type-2 Fuzzy Logic Controllers: A way Forward for Fuzzy Systems in Real World Environments** by [Prof Hani Hagrass](#) School of Computer Science and Electronic Engineering. University of Essex (UK), 26th April, 4pm-5.30pm (BST)

The society is also provided technical co-sponsorship to the

[UKCI2011](#), **11th Annual Workshop on Computational Intelligence**, University of Manchester, UK, 7-9 September, 2011.

[UKCI2010](#), **the 10th Annual Workshop on Computational Intelligence**, University of Essex, September 8-10 is Technically co-sponsored by the IEEE Computational Intelligence Society

Competition

A competition was organised for chapter members in which chapter members could win a society t-shirt.

News

Plans for 2011-2012

Recruit a few more volunteers to complete the committee and to continue focusing on the chapter development strategy outlined in the newsletter and CI magazine report in 2010. We intend to continue with the series of interviews with prominent CI researchers including in the newsletters. We plan to continue with our seminar series in 2011/2012 and increase the number of meetings in local areas through the newly recruited geographical area representatives. Our intention is to aim for the society's Best Chapter award next year. We also hope to actively participate in the organisation of innovative conferences and workshops.