



4th Workshop on Wireless Sensor Networks Research in Ireland and AGM Event Announcement and Call for Poster Submissions.

To be Held at:
Nortel Networks, Galway
Mervue Business Park, Galway, Ireland.
Wednesday July 2nd, 2008 – 10:00 to 16:30

The fourth Workshop on Wireless Sensors Networks (WiSen 2008) brings together experts from academic and industrial backgrounds to develop a dialogue on the R&D requirements for next generation wireless sensor network commercial products and devices, and which will highlight future and emerging research challenges in the WSN space focusing on software and application development aspects.

The workshop will consist of key-note presentations from academic and industry experts and poster sessions from academia and industry in the area of WSN software and application development aspects.

Objective & Background

WiSen is an Irish Government supported initiative. It comprises a network of organisations drawn from industry, third-level institutes and government agencies, who share a common vision of the importance of wireless sensor networks in Ireland's future economy and shaping our future society, and are united in a common desire to promote wireless sensor network research, development and successful commercialisation.

Part of WiSen's mission is to create opportunities for collaboration between industry and academia in the area of Wireless Sensor Network (WSN) technologies, systems and large scale, practical deployments.

WiSen will be holding its Annual General Meeting during the lunch break of the workshop and all WiSen members are cordially invited and encouraged to attend this AGM to contribute to the direction and steering of the group activities over the next year.

Preliminary Programme for Workshop

Facilities will be open from 9:30 for poster setup

10:00 Registration & Coffee.

10:30 - 10:45 Opening Address – **John Doyle** WiSen Chairman

Keynote Speakers Session 1

10:45 – 11:30 **Manfred Hauswirth (DERI)** – The Semantic Sensor Internet

11:30 – 12:15 **Karsten Menzel (UCC), Marcus Keane (NUIG)** - Large Scale or Local Control - Wireless Sensors in Buildings

12:15 – 13:00 **Greg O'Hare (UCD)** – Towards Autonomic Wireless Sensor Networks

13:00 – 14:30: Buffet Lunch, Posters and Networking

13:00 – 14:00 WiSen Annual General Meeting

Keynote Speakers Session 2

14:30 – 15:15 **Tony McCormack (Nortel)** – Communication Enabled Applications

15:15 – 16:00 **Vinny Cahill (TCD)** – Model-driven Engineering of Wireless Sensor Actuator Network Applications

16:00 – 16:15 Feedback & Closing Remarks – **John Doyle** WiSen Chairman

16:15 – close: *Posters and Networking*

Booking:

There is no charge for this event, but places are limited and must be booked in advance. Please send your name, role and company name to Barbara Salska at Enterprise Ireland by Monday, 30th June 2008. You can phone her at 01-8082418 or email: Barbara.Salska@enterprise-ireland.com

Call for Poster Submissions

This call is being issued for poster presentations from academia and industry which will help define the challenges in the development of next generation wireless sensor network software and applications, and which will engender collaborative links between industry and academia in applied research projects

Posters (size A0) should address software and application development for wireless sensor networks in particular application areas, including (but not limited to) Building Management, Environmental Monitoring, Health Monitoring, Automotive, etc.

A one page submission is requested that will consist of a short abstract (max. 200 words) followed by a short profile (max. 100 words) of the research group or company. Submissions should be emailed to admin@wisen-ireland.com before June 25th, 2008.

Academic posters: The abstracts should clearly outline the technical aspects of the research to be presented with an emphasis on the practical applications being targeted.

Industry posters: Abstracts should emphasise the product or service space in which the company is operating and the R&D challenges/technology roadmaps envisaged for next generation products.

Demonstrations: There will be limited scope for demonstrations, and the committee will endeavour to meet any particular requirements specified as regards demonstration space, table top exhibition space etc.

Research Topics of interest include, but are not limited to:

Middleware for WSN applications	Sensor Web / Internet of Things
Middleware and API standards	Large-scale WSN applications
Programming models for WSN	Self-organizing WSN software
(Graphical) Software development environments	WSN for prediction and optimization
Software productivity, deployment and lifecycle	Software engineering for WSN applications
Deployment, testing and simulation environments	Embedded system software
Integration of WSN with information systems	Description and discovery of sensors / data

ORGANISATION:

General Chair:

John Doyle, Benetel
Email: johndoyle@benetel.com

Program Chair:

Manfred Hauswirth, DERI
Email: Manfred.hauswirth@deri.org

Workshop Committee Members:

Mike Byrne (EI Electronics)
Dermot Diamond (NCSR)
Bill Hunt (Analog Devices)
Willi Kiefel (Valeo Vision Systems; formerly CEL)
Jim Lawler (Enterprise Ireland)
Michael Mcgrath (INTEL)
Brendan O'Flynn (Tyndall National Institute)
Cian O Mathuna (Tyndall National Institute)
Michael Phelan (Wirelite Sensors)
Andy Rhodes (Sagentia/EI)
Liam Sweeney (Enterprise Ireland)

We would like to acknowledge the support of Enterprise Ireland in facilitating the organisation of this event.



We are also extremely grateful to Nortel Networks, our sponsor for this event

