



2nd Workshop on Wireless Sensor Networks Research in Ireland (WiSen 2007) – Call for Poster Submissions.

WiSen 2007 - Incorporating the WiSen AGM 2007

National Digital Research Centre

Digital Exchange, Crane St (Off Thomas St), The Digital Hub, Dublin 8, Ireland.

Tuesday June 12th 2007 – 10:00 to 16:00

Objective & Background

WiSen 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. The second Workshop on Wireless Sensors Networks (WiSen 2007) 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.

The workshop will consist of key-note presentations from industry experts and poster sessions from academia and industry on application oriented themes in building management, remote environmental monitoring, automotive and e-health.

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 systems, and which will engender collaborative links between industry and academia in applied research projects

Posters (size A0) are required to address the needs of a particular application area in the utilization of WSNs; 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 1st 2007.

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.

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:

Sensors	Data and network storage
Radio IC design and development	Networking, Encryption
Hardware platforms, tradeoffs, and trends	Network management and debugging,
Energy sources and low-power operation	Network and software reliability
Power management for WSNs	Network and system architectures
Application experiences: measurements, successes and failures	Human-Computer interfaces & Body Area networks
Future applications requirements & challenges	Benchmarks and evaluation suites

Preliminary Programme for Workshop/AGM

Facilities will be open from 9:30 for poster setup

10:00 Registration & Coffee.

10:30 - 10:45 Opening Address – WiSen Chairman

Keynote Speakers Session 1 – Application areas Environment and Health

10:45 - 11:30 **Eoin Sweeney (Marine Institute)** – Environmental

11:30 - 12:15 **Michael McGrath (Intel)** – Health

12:15 - 13:30 Poster session

Buffet Lunch, Posters and Networking 12:30 - 13:30

13:30 – 14:30 WiSen AGM

Keynote Speakers Session 2 – Applications areas Building Management and Automotive

14:30 - 15:15 **Nicholas McNulty (Lightwave Technologies Ltd)** – Building Management

15:15 - 16:00 **Willi Kiefel (Connaught Electronics Limited)** – Automotive

16:00 - 16:15 Feedback & Closing Remarks – WiSen Chairman

Important Dates and Submission Guidelines:

Poster Abstract Registration

Attendees who wish to present a poster need to register indicating this by June 1st

Poster Registration requires provision of a Poster abstract indicating WiSen application area and research group profile as appropriate by June 1st

The WiSen Program Committee discourages submissions that can not be directly applied to a wireless sensor networking application scenario, and it would be beneficial for submissions to indicate their target sensor network application.

We especially welcome papers that will help inform and guide research and engender collaboration between industry and academia.

Please email submissions to admin@wisen-ireland.com

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 Ann Carolan at Enterprise Ireland by Monday 11th June 2007. You can phone Ann at 01-8082374 or email: ann.carolan@enterprise-ireland.com.

ORGANISATION:

General Chair:

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Workshop Committee Members:

Jenny Patterson (INTEL)
Bill Hunt (Analog Devices)
Michael Phelan (Duolog)
Willi Kiefel (CEL)
John Doyle (Benetel)
Dermot Diamond (NCSR)
Gerard Lacey (TCD)
Brendan O'Flynn (Tyndall National Institute)
Jim Lawler (Enterprise Ireland)
Liam Sweeney (Enterprise Ireland)

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

