

Third International Summer School on Applications of WSN and Wireless Sensing in the Future Internet senzations'08

Ljubljana (Slovenia), 01/09/2008 – 05/09-2008

EU FP7 projects SENSEI and PROSENSE invite you to the **Third International Summer School on Applications of WSN and Wireless Sensing in the Future Internet**, senzations'08 (www.senzations.net). The school will take place at the International Postgraduate School at Jozef Stefan Institute (www.ijs.si) in Ljubljana (Slovenia) from September 1-5, 2008.

Telematics, telemedicine, environmental monitoring, home automation and control, security and surveillance, industrial processes and agriculture are examples of potential applications of wireless sensor networks. Thanks to the broad range of possible applications and potential to change the way we interact with our environment, wireless sensor networks have gained a lot of attention in the research community and are becoming increasingly popular in the industry, too.

Wireless sensor and actuator networks (WS&AN) will also have a prominent place in the Future Internet.

Developing open (and business-driven) architecture; integration of heterogeneous WS&AN into a common framework of a global scale; making available WS&AN services and applications via universal service interfaces; and - in general - integration of the physical and the digital world in the Future Internet are some of the challenges faced by researchers and practitioners around the world.

The goals of this summer school are:

- To survey the most relevant research domains
- To present various perspectives and underlying technologies
- To identify the most important challenges and research themes, in particular in relation to the role of WS&AN in the Future Internet
- To interact with distinguished scholars and establish contacts that may lead to research collaborations in the future

The intended audience consists of post-graduate students, PhD students, and young researchers from universities and industrial laboratories around the world. We expect about 40 participants.

Program

The summer school will last for 5 days and will feature a number of different activities:

- **Lectures:** Each day will feature lectures and discussions around a research theme like programming of sensor networks, the Future Internet and WS&AN, integration of WSN with mobile networks, security in WSN, ZigBee vs. Bluetooth, remote health monitoring, etc. Lecturers include:

Zach Shelby (Sensinode Ltd.): IP based WSNs

Martin Ouwerkerk (Philips Research): Unobtrusive sensing of emotions in daily life

Konrad Wrona (NATO C3 agency): Security in WSN

Antoine Fraboulet (INSA Lyon): WSN HW design and experiences from building a test bed

Ivan Stojmenovic (University of Birmingham): Routing in WSN

Antonio Ruzzelli (UCD): Collaborative WSNs Programming

Stephan Haller (SAP Research): Internet of Things and Sensor Networks in Enterprise

Environment

Srdjan Krco (Ericsson Ireland Research Centre): Wireless sensing in the Future Internet

WSN activities and application in Australia: Monitoring Great Barrier Reef (pending confirmation)

WSN activities and application in Japan (pending confirmation)

- **Participants Workshop:** All participants will have an opportunity to present their own work and involvement in the field.
- **Social activities:** One afternoon is scheduled for an excursion, a dinner party will be organized as well as other social activities which should help to form a community among the young researchers

Detailed agenda will be announced later.

Venue

The summer school will take place at the Jozef Stefan Institute (www.ijs.si) in Ljubljana (Slovenia). Ljubljana, the capital of [Slovenia](#), is a beautiful and lively Central European city lying in a basin at the confluence of the Sava and Ljubljanica rivers, between the Alps and the Adriatic Sea. River banks of the river Ljubljanica that divides the city centre below the [castle](#) hill are filled with good [restaurants](#), and chic bars popular with visitors and locals alike. The town boasts the most relaxing atmosphere of all European capitals and offers endless cultural [events](#) and excellent quality of life.

Both the residents of Ljubljana and numerous visitors say that Ljubljana is a city made to man's measure. Classified as a medium-sized European city, it offers all the friendliness of a small town and at the same time everything that a capital should offer. Due to its geographical position, Ljubljana is an ideal departure point for discovering the many faces and beauties of Slovenia.

Registration, cost and travelling

Participation is open to all qualified applicants, but the number of participants is limited to a maximum of 40. If we receive more applications, we will select participants based on their work area and background, geographic distribution, and date of registration. To indicate an interest to participate, please fill in the registration form at <http://www.senzations.net>.

The registration fee is 400EUR. The fee includes 6 days accommodation at the student hostel Celica (<http://www.souhostel.com>) or JSI apartments. Breakfasts, lunches, coffee breaks, a gala dinner, and all study materials are included in the fee. If accommodation is not required, the registration fee is 280EUR.

Participants are expected to arrive in the afternoon or evening of Sunday, August 31st. The school will start on Monday (01/09) morning and end on Friday (05/09) afternoon.

Important dates

Application deadline: July 15, 2008

Notification of admittance: July 22, 2008

Organization

Program Committee Chairs:

Konrad Wrona, NATO C3 Agency

Srdjan Krco, Ericsson Ireland Research Centre

Local Organization Committee Chair:

Dr. Roman Trobec

