GENESI

Green sEnsor NEtworks for Structural monitoring
GENESI develops structural health monitoring systems for critical infrastructures such as tunnels, bridges, dams, private and public buildings, providing cutting edge green wireless sensor networks technology

KEYWORDS: structural health monitoring, energy harvesting, wireless sensor networks

First Workshop

11th March, 9.30-17.00
Hilton – Amsterdam Airport Schiphol

Objectives

The first Workshop of the GENESI project is end-user oriented. It aims to share the first achievements and adopted solutions with potential end-users; to receive their feedback and validate our approaches with them.

Programme

9.30 *Welcome and coffee*
10.00 Presentation of the project (University. of Rome 'La Sapienza', Chiara Petrioli
10.30 Use scenario I: La Poya bridge at Fribourg Switzerland (Solexperts AG, Daniel Naterop)
10.50 Use scenario II: underground infrastructure in Rome (Consorzio Treesse, Andrea d'Arcangelo)
11.10 *Coffee break*
11.40 Other scenarios and synthesis on identified system requirements (University of Rome La Sapienza, Chiara Petrioli)
12.15 Solutions proposed concerning architecture and nodes (University College Cork/Tyndall, David Boyle)
13.00 *Lunch*
14.00 Presentation of Demo's:
* Static micro fuel cell (ST Microelectronics Srl)
* photovoltaic/wind harvester (Alma Mater Studiorum-University of Bologna)
* Wireless Sensor Network and integration with commercial sensors (Consorzio Treesse/ University of Rome 'La Sapienza')
* Structural health instrumentation; (Solexperts AG)
* Deployment tool (University College Cork/Tyndall)
15.00 Panel discussion and feedback from end users
15.30 *coffee break*
16.00 Panel discussion – continuation
16.45 Conclusions
17.00 Closure

FOR INFORMATION AND INVITATION:

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