

The European Research Strategy towards the Future Internet

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I. ABSTRACT

The second wave of projects under the FIRE Future Internet Research and Experimentation initiative will start around summer. FIRE will expand around its two dimensions: The scope of the experimental facilities will be reinforced and expanded beyond its current network focus to offer as well resources for experimentation on higher services levels as well as on sensor networks. With the role of experimentation in Future Internet research being widely recognised, new FIRE research projects will innovatively use the FIRE facility or contribute to the expansion of its scope and functionality. Major issues to be addressed in the future are sustainability, high-level federation, and user-friendliness.

The new ICT Work Programme for 2011/12 has just been published by the Commission: FIRE is planned to be continued along the lines of expanding and making sustainable the facility, stimulating broad innovative use of the facility, and starting a new activity on developing an Internet Science. In the planned Public Private Partnership on the Future Internet, experimentation will have a major role and FIRE has the potential of becoming a strong contributor.

In the session I plan to give an overview of the European Research Strategy towards the Future

Internet, followed by a representative of the FIREstation support action giving an overview on FIRE. To become more concrete, two new FIRE facility projects will present their ideas and plans: Ofelia addresses OpenFlow in Europe; and Smart Santander builds on the results of WISEBED and SENSEI, to build a European test infrastructure of sensor networks.

II. AGENDA

- Max Lemke, Chair, Introductory speech:
The European Research Strategy towards the Future Internet
- Jerker Wilander, project FIREstation:
An Overview on FIRE and its approaches towards federation and collaboration
- Hagen Woesner, EICT, project Ofelia :
OpenFlow in Europe
- Geoffrey Coulson, University of Lancaster, projects Wisebed, Sensei, Smart Santander:
An overview of two Wireless Sensor Network Testbed projects and their extension into the future

