

Workshop: “Identifying Enabling Technologies for Future Internet Experimentation”

Background

Flexible testing and experimentation environments are needed for the evaluation of new technologies, systems and business models in the area of Future Internet. Worldwide, the industry and academia are working on deployments of such infrastructures that exhibit properties anticipated by the Future Internet. Open testbeds are becoming state of the art, allowing shared access and usage of resources, as well as controlled extensibility. However, many challenges remain to be addressed in order to provide easily usable and widely acceptable testing and experimentation infrastructures. The solutions for this issues promise significant advances in research and development. In particular, some of the open issues are related to the concept of federation of testbeds as an enabler for resource sharing and reuse of resources.

Objectives

The workshop will gather experts from the area of Future Internet Research interested in the construction and deployment of testing and experimentation platforms for future networks and services, as well as experts interested in using such infrastructures to evaluate new technologies and systems. Since the area of discourse is quite wide the workshop will focus on a limited number of topics without excluding new and innovative new topics that might be of interest. In particular, the workshop will focus on:

- Network and service resource description
- Service delivery
- Resource virtualisation
- Network and service overlays
- Tools for management and monitoring

The workshop will be an adjunct to the International Conference on Telecommunications and Multimedia (TEMU) on Friday 16 July 2010 and will feature presentations of the latest results of EC funded projects in the area of FIRE (Future Internet Research and Experimentation) such as VITAL++, PII, Self-NET, EFIPSANS and others.

Organisers:

Wolfgang Brandstätter, Telekom Austria
Anastasius Gavras, Eurescom GmbH
Spyros Denazis, Univ. of Patras
Nancy Alostinioti, Univ. of Athens
Ranganai Chaparadza, Fraunhofer FOKUS