

Proposal for a session at the Future Internet Assembly

Subject: Future Internet Socio-Economics (FISE)

Caretakers: Pekka Nikander (PSIRP), David Hausheer (SmoothIT)

Scope (5 lines):

In general, the field of socio-economics aims to understand the interplay between the society, economy, markets, institutions, self-interest, and moral commitments. It is a multi-disciplinary field using methods from economics, psychology, sociology, history, and even anthropology. Socio-economics of networks have been studied for over 30 years (Bradley, Wellman, ...). The aim of this activity is to educate the European Future Internet community about the existing research results. It is hoped that the activity will lead to new insights on how to structure the architecture and services in the Future Internet.

Initiator domain: Network of the Future

Projects involved: SmoothIT, PSIRP, 4WARD, Euro-NF, EFIPSANS (networks), SOA4ALL (services)

Priority from the originator domain: High

Duration of the session: ~2..2.5 hours (3 * 20 min talks + discussion)

1. Overview of other EU funded work in the area (SOCIALNETS (FET), PARADISO (Experimental Facilities), CitizenMedia (Content), ...)
2. Understanding the systemic nature of socio-economics (???)
3. Initial proposal for a research programme / white paper contents

Other domains required, and why?

- Security, Privacy, and Trust: These concepts are intrinsically related to the socio-economic aspects, e.g. through the privacy aspects of price differentiation (cf. Odlysko 2004) or how certain types of trust are strongly influenced by the democratic economic order (cf. Särelä & Nikander 2008)
- Services and Software: It looks like that especially the services people would benefit from a better, more structured understanding of their value proposition; this applies especially to the concepts of overlay services as two-faced markets etc.
- As for content *creation* and media *delivery*, perhaps there are aspects related to provider and distributor business models and their effects on the society in the larger scale.

References:

Privacy, economics, and price discrimination on the Internet, A. M. Odlyzko.
ICEC2003: Fifth International Conference on Electronic
Commerce, N. Sadeh, ed., ACM, 2003, pp. 355-366. Reprinted on pp. 187-211 of
Economics of Information Security, L. Jean Camp and S. Lewis, eds., Kluwer, 2004.
Also reprinted on pp. 39-61 of The Icaian Journal of Management Research, vol. 3,
no. 12, December 2004

Särelä and Nikander. Social Aspects of Trust in the Internet: Issues and Incentives.
In the proceedings of 7th Conference of Telecom, internet and media Techno-
Economics, CTTE 2008, Paris, 18 June 2008.

Some possible endorsement/support from other domains:

Trust and Security, Software and Services, eMobility