



Addressing the Needs of Manageability for Next Generation Networks and the Future Internet

www.manfi.org/2010

Co-located with IEEE/IFIP NOMS 2010, Osaka, Japan, April 19

The second IFIP/IEEE International Workshop on Management of the Future Internet (ManFI 2010) will be held in conjunction with the IEEE/IFIP NOMS 2010 (www.ieee-noms.org) Conference on April 19, 2010 in Osaka, Japan. The workshop is sponsored by the IEEE Communications Society, Technical Committee on Network Operations and Management (CNOM), the Autonomic Communications Forum, EMANICS, and the POSTECH WCU. (ACF pending)

It is widely agreed that, despite its many successes, the current Internet also has a set of systemic problems, ranging from an upcoming shortage of IP addresses to insufficient security. However, the lack of scalable and agile manageability is arguably more important, as without management, it is impossible to build systems that adapt the services and resources offered in a context-dependent manner.

In either case (clean slate vs. evolution vs. revolution), we must consider the manageability of the Future Internet from the beginning. Following the success of ManFI 2009 held in conjunction with IM 2009, this workshop aims at providing an international forum for researchers in these and similar areas. ManFI 2010 will combine original full paper presentations with quick hot topic presentations and a panel discussion to thoroughly explore this challenging topic.

Topics of interest

Authors are invited to submit papers that fall into or are related to the topic areas listed below:

- Advantages and disadvantages of revolutionary, evolutionary, and other approaches to managing the Future Internet
- Separation of data, control, and management planes
- Introduction of other abstractions (e.g., the knowledge and inference planes) for management and control
- Design of architectural building blocks for managing the Future Internet
- Accommodating context-awareness in management
- Automation of management functionality
- Information exchange between different management layers, systems, and components
- The role of models, ontologies, and other knowledge abstractions in the Future Internet
- Uncertainty and probabilistic approaches to management of the Future Internet
- Data analysis and visualization of large sets of management data
- Economic aspects driving the deployment of Future Internet management technology
- Economic opportunities and challenges for management technology
- Experience reports from management in testbeds

Each submission must be written in English, accompanied by a 75 to 200 word abstract that clearly outlines the scope and contributions of the paper, and a list of key words. There is a length limitation of 8 pages (including title, abstract, all figures, tables, and references) for regular conference papers, and 4 pages for short papers describing work in progress. Submissions must be in IEEE 2-column style. Papers exceeding these limits, multiple submissions, and self-plagiarized papers will be rejected without further review.

Authors should submit their papers (full or short) in PDF format via JEMS:

<https://jems.sbc.org.br/manfi2010>

PROCEEDINGS

Papers accepted for ManFI 2010 will be included in the conference proceedings, IEEE Xplore, and EI Index. The IEEE reserves the right to remove any paper from IEEE Xplore and EI Index if the paper is not presented at the conference.

Awards will be presented to the best paper and to the best student paper at the workshop. Furthermore, we plan to work with a leading journal, such as JNSM, to solicit extended versions of the best papers of ManFI 2010 to be submitted for review.

IMPORTANT DATES

- Paper registration and submission: January 4, 2010
- Notification of acceptance: February 8, 2010
- Final camera-ready papers: February 19, 2010
- Workshop date: Monday April 19, 2010

PAPER SUBMISSION

Paper submissions must present original, unpublished research or experiences. Late-breaking advances and work-in-progress reports from ongoing research are also encouraged. Only original papers that have not been published or submitted for publication elsewhere can be submitted.

