SecCo 03

1st International Workshop on Security Issues in Coordination Models, Languages, and Systems

June 28-29, 2003, Eindhoven, the Netherlands - Satellite workshop of ICALP 2003
http://www.cs.unibo.it/secco03

PROGRAMME COMMITTEE
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INVITED SPEAKERS
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SUBMISSION GUIDELINES
Submissions may be of two forms:
• Short abstracts: up to 5 pages 11 pt,
• Full papers: up to 12 pages 11 pt.
They should be submitted following the instructions at the SecCo'03 submission site. The workshop proceedings will be published in the ENTCS series (Electronic Notes in Theoretical Computer Science) and full versions of selected papers will be likely invited for publication in a special issue of Science of Computer Programming (Elsevier).

IMPORTANT DATES
Paper Submission: April 27, 2003
Notification: June 2, 2003
Pre-Final version: June 13, 2003
Meeting date: June 28-29, 2003
Final version: July 31, 2003

SCOPE AND TOPICS
New networking technologies are calling for the definition of models and languages adequate for the design and management of new classes of applications. Innovations are moving towards two directions: on the one hand, the Internet which supports wide area applications, on the other hand, smaller networks of mobile and portable devices which support applications based on a dynamically reconfigurable communication structure. In both cases, the challenge is to develop applications while there is at design time no knowledge of involved entities.

Coordination models and languages, which advocate a distinct separation between the internal behaviour of the entities and their interaction, represent a promising approach. However, due to the openness of these systems, new critical aspects come into play, such as the need to deal with malicious components or with a hostile environment. Current research on network security issues (e.g. secrecy, authentication, etc.) usually focuses on opening cryptographic tunnels between fully trusted entities. For this to work the structure of the system must be known beforehand. Therefore, the proposed solutions in this area are not always exploitable in this new scenario.

The aim of the workshop is to cover the gap between the security and the coordination communities. More precisely, we intend to promote the exchange of ideas, focus on common interests, gain in understanding/deepening of central research questions, etc. Topics of interest include, but are not limited to:

- authentication
- integrity
- privacy
- confidentiality
- access control
- denial of service
- service availability
- safety aspects
- fault tolerance

in

- coordination models
- open-distributed systems
- mobile ad-hoc networks
- agent-based infrastructures
- peer-to-peer systems
- global computing
- context-aware computing
- component-based systems
- ubiquitous computing