SecCo04

2nd International Workshop on Security Issues in Coordination Models, Languages, and Systems

August 30, 2004, London, United Kingdom - Satellite workshop of CONCUR 2004
http://www.cs.unibo.it/secco04

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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'04 submission site. The workshop proceedings will be published in the ENTCS series (Electronic Notes in Theoretical Computer Science). As done for the previous SecCo'03 workshop, we intend to publish a journal special issue inviting full versions of papers selected among those presented at the workshop.

IMPORTANT DATES
Abstract submission: June 1, 2004
Paper submission: June 6, 2004
Notification: July 12, 2004
Pre-Final version: July 22, 2004
Meeting date: August 30, 2004
Final version: September 26, 2004

UNDER THE AUSPICES of IFIP Working Group 1.7

SCOPE AND TOPICS
The 2nd International Workshop on Security Issues in Coordination Models, Languages, and Systems follows the success of SecCo'03, that was held in conjunction with ICALP'03.
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 in 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 at design time there is no knowledge of the availability and/or location of the involved entities.
Coordination models, languages and middlewares, 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 point-to-point tunnels. Therefore, the proposed solutions in this area are not always exploitable to support the end-to-end secure interaction between entities whose availability or location is not known beforehand.

Topics of interest include, but are not limited to:

• authentication		• coordination models
• integrity		• web service technology
• privacy		• mobile ad-hoc networks
• confidentiality		• agent-based infrastructures
• access control	in	• peer-to-peer systems
• denial of service		• global computing
• service availability		• context-aware computing
• safety aspects		• ubiquitous/pervasive comp.
• fault tolerance		• component-based systems