



Call for Papers

International Workshop on Context Aware Networks Technologies and Applications (CANET'05)
 Held in conjunction with the 5th International and Interdisciplinary Conference on Modeling and Using Context
 July 5, 2005 – Paris, France (<http://context-05.org/>)

Workshop Organizers

Alex Galis, University College
 London, UK

Ahmed Karmouch, University of
 Ottawa, Canada

Scientific Committee

T. Araragi, NTT, Japan
 P. Bellavista, Bologna, Italy
 F. Bellifemine, TILab, Italy
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SCOPE

Context-aware networking enables new types of applications and services in ambient environments. These applications can help users react positively to unexpected events such as emergency situations, acquire value-added services, receive messages in the most useful and suitable manner, or obtain compensation when planned activities are changed or delayed. Exploiting network-related context information can make mobile communication networks simpler, more efficient, and more powerful. For instance, mobility management can benefit from context information about the current position and direction of a vehicle, which could be provided by a navigation system connected to a vehicular area network, and information about wireless access possibilities in the then-known geographical area to improve its handover operations. Other examples are delaying the transmission of an email over an expensive connection when context information predicts the availability of a cheap hot-spot connection to be reached in the near future. This view of context management differs from the traditional focus on user preferences regarding applications and services; it rather takes a network-centric view: Protocols, not applications, adapt themselves based on context information.

The aim of the workshop is to provide a unique opportunity for researchers, software and application developers, and computer network technologists to discuss new developments on the context aware mobile and ambient networks technologies and applications.

Relevant topics

Papers describing original research, surveys and applications in the following areas are solicited:

- Context aware platforms and architecture for Ambient Networks.
- Context in Grids systems and architectures.
- Context Ontologies for Grids.
- Context Identification, Retrieval and Management in Services and Networks
- Provisioning, Maintenance and Management of Quality of Context.
- Context Ontologies for Ambient Networks.
- Context in Peer-to-Peer Networks and Services
- Context in Autonomic Communications.
- Context aware Self- adapting, Self-configurable, Self-Management Networks and Grids.
- Autonomic Context aware communications and systems management.
- Programmable Context aware Networks and Services.
- Security, Trust and Privacy in Context sensitive Communications.
- Context in Content Oriented Network & Service Management.
- Context in Sensors Networks and Services.
- Implementation and experiences with context aware networking infrastructure and components

Type of papers

- **Full papers** of up to 12 single-spaced pages including figures, tables, references and annexes
- **Position / work in progress papers** of up to 6 pages

Evaluation Process and Proceedings Publication

All papers are going to be reviewed by the scientific committee. The proceedings of the workshop will be published by Springer-Verlag in the Lecture Notes on Computer Science series. Submissions should follow the LNCS style (www.springeronline.com). The document must be in PostScript, Acrobat PDF or MS-Word format.

All correspondence will take place electronically. Further details on submission can be found at: (www.ee.ucl.ac.uk/~nsg/conferences/context05/); E-mail address for submission: CANET05@ee.ucl.ac.uk

DEADLINES

Submissions due:	25th March 2005
Acceptance notification:	15th April 2005
Camera-ready papers received:	30th April 2005
Program on line:	5th May 2005
Workshop:	5th July 2005