

## The 1<sup>st</sup> IFIP WG6.6 Workshop on Autonomic Communication Autonomic Communication Principles 18-19 October 2004 in Berlin, Germany

### 1A: Autonomic Network Management

An Infrastructure-based Approach to Support Dynamic Networks with Mobile Agents  
*A. Dühler, C. Erfurth, W. Rossak (Friedrich-Schiller Uni Jena.)*

Some Requirements for Autonomic routing in self-organized networks  
*F. Legendre, M. Dias de Amorim, S. Fdida (LIP6/CNRS)*

Policy Interoperability and Network Autonomics  
*S. Magrath, R. Braun, F. Cuervo (Uni. of Technology, Sydney and Alcatel Canada)*

### 1B: Models and Protocols

Spatial Computing: an Emerging Paradigm for Autonomic Computing and Communication  
*F. Zambonelli, M. Mamei (DISMI - Università di Modena e Reggio Emilia)*

Self-Deployment, Self-Configuration: Critical Future Paradigms for Wireless Access Networks  
*F. J. Mullany, L. T. W. Ho, L. G. Samuel, H. Claussen (Bell Labs Research, Lucent Technologies, UK)*

Content Distribution through Autonomic Content and Storage Management  
*N. Laoutaris, A. Panagakis, I. Stavrakakis (University of Athens)*

### Panel 1: Main principles to guide R&D in Algorithms, Protocols and Middleware

### 2A: Network Composition

A Unified Framework for the negotiation and Deployment of Network Services.  
*S. Denazis, L. Yamamoto (Hitachi Europe)*

TurfNet: An Architecture for Dynamically Composable Networks  
*S. Schmid, L. Eggert, M. Brunner, J. Quittek (NEC Europe)*

A systems architecture for sensor networks based on hardware/software co-design  
*A. Nisbet, S. Dobson (Manchester Metropolitan Uni., Trinity College Dublin)*

### 2B: Negotiation and Deployment

Challenges in communication research beyond the VICOM project  
*F. Vatalaro, G. Cortese, F. Davide, M. Leo, P. Loreti, G. Riva (Uni of Rome "Tor Vergata", CNIT, Telecom Italia, Istituto Auxologico Italiano)*

A Framework for self-organising network composition  
*C. Kappler, P. Mendes, C. Prehofer, P. Poyhonen, D. Zhou (Siemens AG, Deutschland and Austria, DoCoMo EuroLabs, Nokia Research)*

Semantic-based Policy Engineering for Autonomic Systems  
*D. Lewis, K. Feeney, K. Carey, T. Tiropanis, S. Courtenage (Trinity College Dublin, Athens Uni. of Technology, Uni. of Westminster)*

### Panel 2: Grand Challenges of Network and Service Composition

### 3: Immunity and Resilience

Self-management of Autonomic Systems: The Reputation, Quality and Credibility (RQC)  
*A. Garg, R. Battiti, G. Costanzi (Uni. of Trento)*

E Pluribus Unum: Deduction, Abduction and Induction, the Reasoning Services for Access Control in Autonomic Communication  
*H. Koshutanski, F. Massacci (Uni. of Trento)*

A Metabolic Approach to Protocol Resilience  
*C. Tschudin, L. Yamamoto (Uni of Basel, Hitachi Europe)*

### 4: Meaning, Context & Situated Behaviour

Putting meaning into the network: some semantic issues for the design of autonomic communication systems  
*Simon Dobson (Trinity College Dublin)*

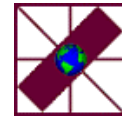
Autonomic Communications: Knowledge, Context and Ethnography  
*R. Sterritt, M. Mulvenna, Agnieszka Lawrynowicz (Uni. of Ulster, Poznan Uni.)*

Towards Adaptable Ad Hoc Networks: The routing Experience  
*C. Santivanez, I. Stavrakakis (BBN Technologies, Uni. of Athens)*

### Panel 3: How Autonomic Network Interacts with Knowledge Plane?



Draft Program and  
Call for Participation



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WAC 2004 Registration Form (Fax to +49 30 34638000)

Please fill in, print, sign and fax this form to Fax.: +49 30 3463 8000 WAC 2004 Org. Committee  
The registration fee to attend the WAC 2004 is € 300,00 when paid before 10.10.2004 and € 400,00 when paid after 10.10.04 including on-site payment.

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I want to participate in a panel (please circle one)	Panel 1          Panel 2          Panel 3

**Call for Opinions:** WAC 2004 welcomes opinions from attendees on panel topics: up to three slides in ppt or pdf formats have to be sent as e-mail attachment to [wac@autonomic-communication.org](mailto:wac@autonomic-communication.org) until October, 10<sup>th</sup>

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