

Charla Invitada

“Building Pervasive Computing Systems with Context-Aware Mobile Agents”

Dr. Arkady Zaslavsky

A broad overview of mobile/pervasive/ubiquitous/wireless computing and networking at Monash University, Australia will be presented. Then the focus of the presentation will be on mobile agents and contribution they can make into building pervasive computing systems. Two ongoing projects, eHermes and ContextExplorers will be presented. eHermes involves run-time construction and coordination of mobile agents using task decomposition graphs. Another component of eHermes is concerned with unobtrusive user profiling and personalisation, which involves information agents, and where agents themselves could be users of the system. ContextExplorers is a joint project with HP Labs. The project is concerned with developing software mobile agents that can extract, interpret, validate and verify run-time context of a pervasive computing system and reason about context. A brief overview of a Monash-wide initiative CoolCampus will be given. Coolcampus brings together researchers in pervasive/mobile/wireless space with potential users of this technology in educational environment.

Fecha:	Martes 11 de Julio de 2006
Lugar:	Seminario 24, Edif. Ada Byron, CPS
Hora:	10:00

Organiza: Grupo de Sistemas de Información Distribuidos (SID)
Dpto. de Informática e Ingeniería de Sistemas
Contacto: Eduardo Mena <emena@unizar.es>



MONASH
UNIVERSITY

Dr Arkady Zaslavsky

MSc(Appl.Math, Tbilisi), PhD(CompSci, Moscow), MACS, MACM, MIEEE CS
Associate Professor

SCHOOL OF COMPUTER SCIENCE
& SOFTWARE ENGINEERING

900 Dandenong Road, Caulfield East, Victoria 3145 Australia

Telephone: +61 3 9903 2479 Facsimile: +61 3 9903 1077

Mobile: 0419 524 848

Email: arkady.zaslavsky@csse.monash.edu.au

<http://www.csse.monash.edu.au/~azaslavs>

Arkady Zaslavsky is an Associate Professor at Monash University, Australia. He is also a Professor (Adjunct) at the Lulea University of Technology, Sweden. He received MSc in Applied Mathematics majoring in Computer Science from Tbilisi State University (Georgia, USSR) in 1976 and PhD in Computer Science from the Moscow Institute for Control Sciences (IPU-IAT), USSR Academy of Sciences in 1987. He has been awarded and involved in many research grants and projects including DSTC's "M3: Enterprise Architecture for Mobile Computation", "Context-rich mobile agent technology to support information needs of financial institutions", "Adaptive Distributed Information Services", "Mobile City" and others. He is a member of ACS, ACM and IEEE Computer Society.

He has published more than 200 publications throughout his professional career. He has organised and chaired many workshops and conferences in mobile computing area, including "Mobility in Databases and Distributed Systems" and "International Conference on Mobile Data Management (MDM 2003)". He is an editorial board member for Elsevier journals "Computer Communications" and "Information and Software Technology". His research interests include mobile and pervasive computing; distributed and mobile agents and objects; wireless networks; distributed computing and database systems; distributed object technology and mobile commerce.