

# Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering

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# Access Networks

5th International ICST Conference on Access Networks,  
AccessNets 2010 and First ICST International Workshop  
on Autonomic Networking and Self-Management in Access  
Networks, SELF MAGICNETS 2010  
Budapest, Hungary, November 3-5, 2010  
Revised Selected Papers

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# Preface

The fifth edition of the annual International ICST Conference on Access Networks (AccessNets 2010) was organized to provide a forum that brings together scientists and researchers from academia as well as managers and engineers from industry and government organizations to meet and exchange ideas and recent work on all aspects of access networks and how they integrate with their in-house counterparts. This year's conference was held in Budapest, Hungary, during November 3–5, 2010 and was sponsored by ICST and was co-organized by the Budapest University of Technology and Economics, Hungary, and the Scientific Association for Infocommunications, Hungary.

This year's main conference focused on next-generation wireless and wired broadband networks, sensor networks and emerging applications related to access networks. The main conference received 23 submissions from 15 different countries. After a thorough review process, 9 papers were accepted from the open call, one distinguished researcher was invited to contribute an invited paper and one was invited for a post-deadline submission, yielding 11 technical papers altogether. The 11 technical papers were organized into 4 technical sessions. In addition, four posters were allocated for a poster session during the conference. Within the main program of the conference, two keynote speeches addressed hot topics on emerging trends and focus areas for access networks. The first keynote by Jens Malmudin from Ericsson addressed the energy and carbon footprint of ICT and media services and the second keynote by Peter Szilagyi, Nokia Siemens Networks, addressed self-organizing networks.

Collocated together with the main conference of AccessNets 2010 was the First International ICST Workshop on Autonomic Networking and Self-Management in Access Networks (SELF-MAGICNETS 2010), which complemented the main conference program with focused coverage on theories and technologies of autonomic networking and self-management. The organizer of the SELF-MAGICNETS 2010 workshop was the EC-funded FP7 EFIPSANS IP Project (INFSO-ICT-215549). Altogether ten peer-reviewed technical papers and a keynote address were presented at the workshop, out of which five were outside the EFIPSANS project.

We would like to take this opportunity to express our thanks to the technical and financial sponsors of AccessNets 2010, to the Chairs and members of the Technical Program Committee and to all members of the Organizing Committee.

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