

PREFACE

Systems and networks communications constitute the backbone for modern applications and services. It became the key instrument in bridging countries and cultures, speeding the economy, and synchronizing the research topics across multi-national groups and universities.

The International Conference on Systems Communications held in Montreal, August 14-17, 2005 was a special event where, for the first time, the traditional advanced topics on wireless were complemented by special topics on high speed networks, multimedia communications systems, and sensor networks.

The suit of events held under the generic topic Systems Communications was very well perceived by the international community. Almost 100 specialists from all over the world contributed to a program with 80 selected papers out of more than 200 submitted. This year, the technical committee revalidated various accepted papers after the reviews had been incorporated, leading to a high standard and very good quality papers.

The program was rich and dense, covering a variety of topics. Wireless submissions were oriented towards ad hoc networks, QoS, mobility, and monitoring. Authors on multimedia systems focused on security, design techniques, QoS assessment, and applications. Submissions on high speed networks covered aspects related to optimization, routing, multicast, monitoring, and QoS. On sensor networks there were papers presenting results on architecture, energy optimization, sensor metrics, security, routing, and coordination.

We would like to thank the authors for their tremendous effort, the members of the technical program committees, and the reviewers. Without their support the program of this event would not have been possible. We are also indebted to many individuals and organizations that made the conference possible (Bell Canada, IEEE Montreal, IARIA, Cisco Systems, Inc.).

We are convinced that the participants found the event useful and communications very open. We also hope the attendees enjoyed Montreal's historical places and their neighborhoods.

August 14-17, 2005

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