NSR2005 is the third in a series of conferences on communication networks and services and follows the first two held in Moncton and Fredericton in New Brunswick, Canada, in 2003 and 2004, respectively. These conferences gather together a community of researchers and practitioners concerned with communication and computer-related technologies and applications. It provides them with a forum to exchange the latest information and advances as well as to discuss the emerging issues and trends in the area of communication networks and services.

The conference will cover a broad range of topics, from advances in methodology to advances in applications, including routing/switching architectures; information and traffic management; real-time services; communication algorithms and hardware implementation; protocol design issues and wireless networks. Of special interest will be the presentation of a number of unconventional methods and techniques that open new horizons in achieving efficient and effective communications and networking.

In all, more than 70 papers were submitted for presentation at the conference and 52 have been accepted after being peer-reviewed. The conference program is divided into 10 technical sessions that will run over two and half days. In addition, there will be keynote speeches and an industrial panel discussion/presentation session. These focus on the challenges in developing future generations of communication systems and university/industry collaborations. The conference also plans and features for the first time pre-conference workshops and tutorials. These present opportunities for hand-on training and in-depth discussions on specific topics related to communication networks and services. The conference also has a couple social events to facilitate networking among participants as well as enjoyment of the beautiful city of Halifax.

NSR2005 is a joint venture by Dalhousie University, University of New Brunswick, Université de Moncton, the Atlantic Canada Opportunities Agency, and six industrial partners involved with the Atlantic Innovation Fund. It is also sponsored in cooperation with the IEEE Computer Society. We gratefully acknowledge these contributions as well as those from other organizations that are incoming but not finalized at the time of this writing.

Many people contributed to the success of this conference. Our special thanks go to Professor Alberto Leon-Garcia of the University of Toronto for serving both as the general chair of the conference and as a keynote speaker. We are grateful also to all the members of the conference committees, technical reviewers and keynote speakers. We thank also those who helped in the many organizational aspects of the conference. Lastly, but the most importantly, we are thankful to all the contributors whose work has made this edition of the conference possible.

We wish all the participants a pleasant stay in Halifax and a fruitful experience in the exciting topics that will be presented during the conference.

Zhizhang (David) Chen
Conference Chair

Jacek Ilow
Program Chair