

## **From the Program Chairs**

Welcome to the 2005 IEEE Sarnoff Symposium. This year's symposium continues the tradition as an event that showcases the newest technologies and products in wireless and wired communications. The need for larger telecommunication freedom towards ubiquitous cyber-infrastructure has kept driving the technology advancement in recent years. This symposium with high-quality papers, tutorials, panels, keynotes, exhibits, and posters offers a great opportunity for us to exchange our ideas and visions of the technological trends, challenges, and solutions in wireless and wired telecommunications.

As in the past, 2005 IEEE Sarnoff Symposium continues to offer exciting technical programs. From 123 submissions by technical experts in major universities and companies from more than 20 countries in Asia, Australia, Europe, North America, and South America, the Technical Program Committee has selected 56 papers, which features a record increase from 36 papers in the previous year. We have streamlined the technical paper program with 14 sessions. The topics span from networking research, such as sensor and ad hoc networks, wireless networks, security, and multimedia, to communication and signal processing technologies, such as ultra-wideband, MIMO, and optical communications. We would like to take this opportunity to thank the Technical Program Committee members and reviewers for their hard and fruitful work.

The symposium also features 9 tutorials, which focus on timely topics in some of the above-mentioned areas. These tutorials provide excellent opportunities for engineers and researchers to keep technically up-to-date and learn about new research and development. We will also have 15 student poster presentations that offer a fertile platform for idea exchange and discussions. Moreover, the symposium will feature visionary keynotes and executive panels devoted to very hot topics. We hope that you will find this year's program interesting and rewarding to your work and technical interests. On behalf of the Technical Program Committee, we would like to thank all of the speakers, authors, and contributors, without whom the program would have been impossible. We hope you enjoy the program as much as we have.

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