# WELCOME

On behalf of the Technical Program and Organizing Committees, it is a great pleasure to welcome the CAMSAP'2005 participants and guests in Puerto Vallarta.

CAMSAP'2005 is the first workshop sponsored by the IEEE Signal Processing Society that focuses on computational advances in multi sensor adaptive processing. CAMSAP'2005 brings together leading researchers from around the world with a common interest in *computational aspects* of multi sensor array processing. The technical program emphasizes emerging research and application areas in this exciting field, through distinguished lectures and contributed special and regular sessions. The technical program comprises 6 distinguished lectures and 60 contributed papers with authors from 14 countries.

We would like to thank the workshop local organizing committee and the technical program committee for their hard work in putting the workshop together. Our special thanks go to the Mexican co-organizers from the CINVESTAV and to our technical sponsors for their generous support: COECYTJAL (Mexico), INTEL (Mexico branch), and Texas Instruments (Mexico branch).

We do hope that you will enjoy your participation and your stay in Puerto Vallarta, Jalisco, Mexico.

Yuriy Shkvarko, Alex Gershman, and Nikos Sidiropoulos

General Co-Chairs and Technical Program Committee Chair
CAMSAP'2005

# INVITED SPEAKERS

- **Helmut Boelcskei**, ETH Zurich, Switzerland
  - INTERPOLATION-BASED MIMO-OFDM RECEIVERS
- **Yonina Eldar**, Technion, Israel
  - UNIFORMLY IMPROVING THE CRAMER-RAO BOUND AND MAXIMUM-LIKELIHOOD ESTIMATION
- **Simon Godsill**, University of Cambridge, UK
  - NETWORK-ENABLED DETECTION AND TRACKING - MULTIPLE SENSORS, EVASIVE TARGETS,  PARTICLES AND POINT PROCESSES
- **Martin Haardt**, Ilmenau University of Technology, Germany
  - EFFICIENT MULTI-USER MIMO DOWNLINK PRECODING AND SCHEDULING
- **Zhi-Quan (Tom) Luo**, University of Minnesota, USA
  - PROBABILISTIC ANALYSIS OF SDP RELAXATION FOR BINARY QUADRATIC MINIMIZATION WITH APPLICATION TO WIRELESS COMMUNICATION
- **Pierre Comon,** University of Nice Sophia-Antipolis (UNSA), France
  - ALGEBRAIC BLIND TECHNIQUES

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- Alex Gershman, Canada

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- Nikos Sidiropoulos, Greece

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- Héctor Pérez, Co-chair
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- Rosa Angélica Michel Uribe, Finance Chair
- Iván Esteban Villalón Turrubiates, Registration Chair
- José Luís López, Local Arrangements

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- Miguel Lagunas, Spain
- Aurelio López, Mexico
- Zhi-Quan Luo, USA
- Ram M. Narayanan, USA
- Arye Nehorai, USA
- Daniel P. Palomar, USA
- Volodymyr Ponomaryov, Mexico
- James Reilly, Canada
- Ananthram Swami, USA
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- Alle-Jan van der Veen, The Netherlands
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**1st IEEE INTERNATIONAL WORKSHOP ON COMPUTATIONAL AVANCES IN MULTI-SENSOR ADAPTIVE PROCESSING**
**DECEMBER 13-15, 2005        PUERTO VALLARTA, MEXICO**

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