

FOREWORD

This volume collects the papers presented at the 10th Italian Conference on Sensors and Microsystems held in Firenze, February 15-17, 2006.

The conference was organized by the Italian Association of Sensors and Microsystems (AISEM) with the local organization of the Institute of Applied Physics “N. Carrara” of the National Research Council (CNR).

The Italian Conference on Sensors and Microsystems is now an established event offering a unique interdisciplinary forum in Italy for experts in fields such as physics, chemistry, biology, engineering, and material science. The proceedings volume, published since the first edition by World Scientific, are a testimonial of the Italian contribution to key research areas of all major disciplines related to sensors, including: sensors and actuators; materials and process technologies; signal monitoring, acquisition, and conditioning; data processing and pattern recognition techniques; microsystems, micromachinery, and other applications.

The 10th edition of the conference consisted of a plenary session, nine oral sessions and two poster sessions. The 158 papers, 14 of which invited, offer a compendium of the most significant theoretical and experimental results in the field of sensors and of the major collaborative ventures between academic and industrial research groups.

Anna Grazia Mignani and Riccardo Falciai
CNR – Institute of Applied Physics “N. Carrara”, Firenze

Arnaldo D’Amico and Corrado Di Natale
Department of Electronic Engineering, University of Rome Tor Vergata