



IWASI 2007

2nd IEEE International Workshop On
Advances in
Sensors and Interfaces
26/27 June 2007 - Bari, Italy
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CALL FOR PAPERS



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Continuing technological improvements are opening new areas of application in micro- and nano-electronics and photonics. Micro- and nano-sensor systems include on the same die or in the same packaging also the post-processing electronics for a wide range of applications. Many systems are in remote or noisy locations, e.g. industrial process control, automotive systems, space aircrafts. The environmental conditions may be very harsh reducing the overall lifetime due to fast ageing, thus determining the performance degradation. Some applications, as well as biomedical, particle physics and electrochemical ask for suitable interfaces to improve the signal detection.

Although significant advances have been reported over the last two decades, many problems are still unsolved. Modeling, design procedures and fabrication techniques are open for research, while industrial interest is aiming to satisfy technological, costing and manufacturing requirements.

The aim of the [IEEE International Workshop on Advances in Sensors and Interfaces](#) is to provide a forum for experience exchange among experts actively involved in research, development and evaluation of new concepts, theoretical methods and experimental characterization as well as in testing techniques concerning micro- and nano-sensor systems.

TOPICS

Papers are solicited in the following and related topics:

- Sensor interfaces
- New materials and new technologies for sensors
- Sensor modeling and design techniques
- Sensors for space, nuclear and particle physics, biomedical, automotive, environmental and other applications
- Optoelectronic and photonic sensors
- MEMS and MOEMS-based sensors
- Post-processing electronics
- Noise reduction techniques in sensors interfaces
- Testing techniques for sensors systems
- Sensors networks

PAPER SUBMISSION

Papers (max 6 pages) must be submitted by **30th February 2007** to iwasi@deemail.poliba.it in **pdf** format. All text must be in a two-column format. Columns are to be 3-1/4 inches (8.25 cm) wide, with a 5/16 inch (0.8 cm) space between them. Text must be fully justified. Type your main text in 10-point Times, single-spaced. The main title (on the first page) should be centred and in 14-point Times Bold. Paragraphs titles should be in 12-point Times Bold.

Authors should send papers with a cover letter indicating the complete mail address, phone/fax numbers and e-mail address.

Author notification: **30th March 2007**

Camera ready : **5th May 2007**

For any information on the paper submission please contact:

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Web page is available at: <http://iwasi.poliba.it>.