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**Sensor Devices
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Editorial



Dear Readers !

It is my great pleasure to introduce the first print issue of *Sensors & Transducers* journal. The journal is publishing since 2000 in electronic format and now it has become very popular periodical research journal among other sensor related publications.

In 2013 we are going to publish twelve regular issues and some special issues with extended papers from different sensors, MEMS and measurements related conferences. In this year we are also going to start publication of thematic issues.

This issue, that you hold in your hands, is a special issue, which contains twenty selected and extended papers from *The 3rd International Conference on Sensor Device Technologies and Applications (SENSORDEVICES' 2012)* and *The 6th International Conference on Sensor Technologies and Applications (SENSORCOMM' 2013)*, which taken place on 19-24 August, 2012 in Rome, Italy under the NetWare 2012 conference umbrella organized by the International Academy, Research and Industry Association (IARIA).

There were 703 submitted papers for all NetWare conferences, 232 from which were accepted after review. After the conference, 25 papers have been selected by our editorial board to be extended for journal's publications. Finally, we have included 20 articles in this special issue. Many of them were selected as the "Best Papers" based on the reviews of the original submission, the camera-ready version, and the presentation during the SENSORDEVICES' 2012 and SENSORCOMM' 2012 conferences.

I hope you will enjoy this special issue.

With best wishes,

A handwritten signature in black ink, appearing to read 'Sergey Y. Yurish', followed by a horizontal line.

Sergey Y. Yurish
Editor-in-Chief

Conference Announcement



Topic E2: Transportation & Mobility

The Euromat conference series, organised by the Federation of European Materials Societies (FEMS), is one of the largest events of its kind in Europe, covering the full width of materials science and technology. We would like to direct your attention to the following Symposia which are focussing specifically on transport applications:

- E2.I: Modeling, simulation, optimization of materials and structures in transportation**
Prof. Kambiz Kayvantash, Société CADLM, Massy (F)
- E2.II: Intelligent and adaptive materials and structures**
Dr.-Ing. Dirk Lehmus, ISIS Sensorial Materials Scientific Centre, Bremen (D)
- E2.III: Energy absorbing and protective materials and structures**
Prof. Massimiliano Avalle, Politecnico di Torino, Torino (I)
- E2.IV: Production, properties and applications of hybrid materials and structures**
Dr.-Ing. Kai Schimanski, Foundation Institut für Werkstofftechnik (IWT), Bremen (D)

**DEADLINE CALL FOR PAPERS END OF JANUARY –
WATCH OUT FOR DETAILS AT www.euromat2013.fems.eu
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Aims and Scope

Sensors & Transducers is a peer reviewed international, interdisciplinary journal that provides an advanced forum for the science and technology of physical, chemical sensors and biosensors. It publishes original research articles, timely state-of-the-art reviews and application specific articles with the following devices areas:

- Physical, chemical and biosensors;
- Digital, frequency, period, duty-cycle, time interval, PWM, pulse number output sensors and transducers;
- Theory, principles, effects, design, standardization and modeling;
- Smart sensors and systems;
- Sensor instrumentation;
- Virtual instruments;
- Sensors interfaces, buses and networks;
- Signal processing and interfacing;
- Frequency (period, duty-cycle)-to-code converters, ADC;
- Technologies and materials;
- Nanosensors;
- Microsystems;
- Applications.

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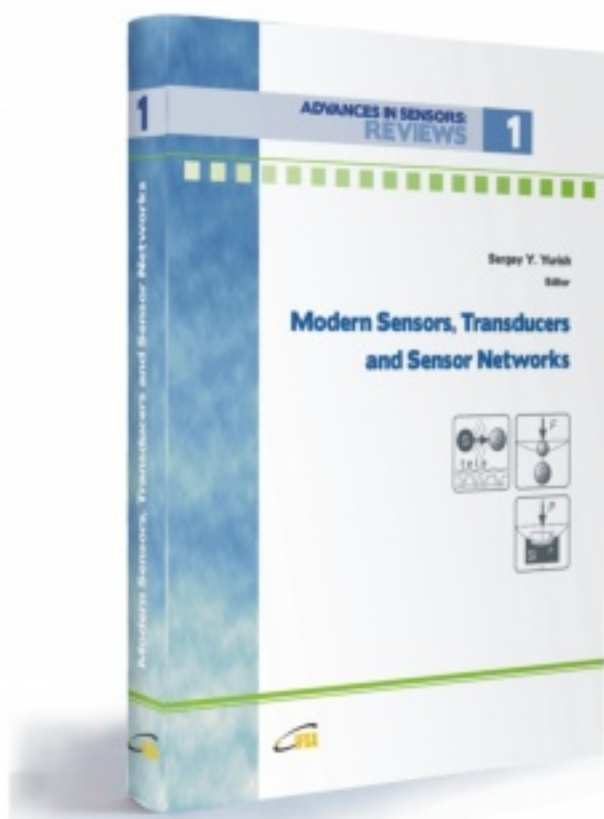
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Sergey Y. Yurish
Editor

Modern Sensors, Transducers and Sensor Networks



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