

1-23-2014

Sensors Best Paper Award 2014

Vittorio M.N. Passaro
Politecnico di Bari

W. Rudolf Seitz
University of New Hampshire, Durham

Assefa M. Melesse
Department of Earth and Environment, Florida International University, melessea@fiu.edu

Alexander Star
University of Pittsburgh

Mohamed F. Younis
University of Maryland at Baltimore

Follow this and additional works at: https://digitalcommons.fiu.edu/earth_environment_fac

 Part of the [Life Sciences Commons](#)

Recommended Citation

Passaro, Vittorio M.N.; Seitz, W. Rudolf; Melesse, Assefa M.; Star, Alexander; and Younis, Mohamed F., "Sensors Best Paper Award 2014" (2014). *Department of Earth and Environment*. 18.
https://digitalcommons.fiu.edu/earth_environment_fac/18

This work is brought to you for free and open access by the College of Arts, Sciences & Education at FIU Digital Commons. It has been accepted for inclusion in Department of Earth and Environment by an authorized administrator of FIU Digital Commons. For more information, please contact dcc@fiu.edu.

Editorial

Sensors Best Paper Award 2014

Vittorio M.N. Passaro^{1,*}, **W. Rudolf Seitz**^{2,*}, **Assefa M. Melesse**^{3,*}, **Alexander Star**^{4,*} and **Mohamed F. Younis**^{5,*}

¹ Department of Electrical and Information Engineering, Politecnico di Bari, Via E. Orabona n. 4, 70125 Bari, Italy; E-Mail: passaro@deemail.poliba.it; Tel.: +39-080-5963-850; Fax: +39-080-5963-410

² Analytical Chemistry, Department of Chemistry, University of New Hampshire, Durham, NH 03824-3598, USA; E-Mail: wrs@cisunix.unh.edu; Tel.: +1-603-862-2408; Fax: +1-603-862-4278

³ Department of Earth and Environment, ECS 339, Florida International University, 11200 SW 8th Street Miami, FL 33199, USA; E-Mail: melessea@fiu.edu; Tel.: +1-305-348-6518; Fax: +1-305-348-6137

⁴ Department of Chemistry, University of Pittsburgh, 219 Parkman Avenue, Pittsburgh, PA 15260, USA; E-Mail: astar@pitt.edu; Tel.: +1-412-624-6493; Fax: +1-412-624-4027

⁵ Department of Computer Science and Electrical Engineering, University of Maryland, Baltimore County, 1000 Hilltop Circle, Baltimore, MD 21250, USA; E-Mail: younis@cs.umbc.edu; Tel.: +1-410-455-3968; Fax: +1-410-455-3969

Received: 20 January 2014 / Accepted: 23 January 2014 / Published: 23 January 2014

In 2011, an annual award system was instituted to recognize outstanding *Sensors* papers that are related to sensing technologies and applications and meet the aims, scope and high standards of this journal [1–3]. This year, nominations were made by the Section Editor-in-Chiefs of *Sensors* from among all the papers published in 2010 to track citations. Reviews and full research articles were considered separately. We gladly announce that the following eight papers were awarded the *Sensors* Best Paper Award in 2014.

Article Award:

1st Prize

Heather K. Hunt, Carol Soteropulos and Andrea M. Armani

Bioconjugation Strategies for Microtoroidal Optical Resonators

Sensors **2010**, *10*(10), 9317–9336; doi:10.3390/s101009317

Available online: <http://www.mdpi.com/1424-8220/10/10/9317>

2nd Prize

Christian H. Schwalb, Christina Grimm, Markus Baranowski, Roland Sachser, Fabrizio Porrati, Heiko Reith, Pintu Das, Jens Müller, Friedemann Vöklein, Alexander Kaya and Michael Huth

A Tunable Strain Sensor Using Nanogranular Metals

Sensors **2010**, 10(11), 9847-9856; doi:10.3390/s101109847

Available online: <http://www.mdpi.com/1424-8220/10/11/9847>

3rd Prize

Rozalia Orghici, Peter Lützow, Jörg Burgmeier, Jan Koch, Helmut Heidrich, Wolfgang Schade, Nina Welschhoff and Siegfried Waldvogel

A Microring Resonator Sensor for Sensitive Detection of 1,3,5-Trinitrotoluene (TNT)

Sensors **2010**, 10(7), 6788-6795; doi:10.3390/s100706788

Available online: <http://www.mdpi.com/1424-8220/10/7/6788>

4th Prize

Andrea Mannini and Angelo Maria Sabatini

Machine Learning Methods for Classifying Human Physical Activity from On-Body Accelerometers

Sensors **2010**, 10(2), 1154-1175; doi:10.3390/s100201154

Available online: <http://www.mdpi.com/1424-8220/10/2/1154>

5th Prize

Martin Nirschl, Arto Rantala, Kari Tukkiniemi, Sanna Auer, Ann-Charlotte Hellgren, Dana Pitzer, Matthias Schreiter and Inger Vikholm-Lundin

CMOS-Integrated Film Bulk Acoustic Resonators for Label-Free Biosensing

Sensors **2010**, 10(5), 4180-4193; doi:10.3390/s100504180

Available online: <http://www.mdpi.com/1424-8220/10/5/4180>

Review Award:

1st Prize

Eun-Hyung Yoo and Soo-Youn Lee

Glucose Biosensors: An Overview of Use in Clinical Practice

Sensors **2010**, 10(5), 4558-4576; doi:10.3390/s100504558

Available online: <http://www.mdpi.com/1424-8220/10/5/4558>

2nd Prize

Yoshikazu Kobayashi, Masaaki Habara, Hidekazu Ikezaki, Ronggang Chen, Yoshinobu Naito and Kiyoshi Toko

Advanced Taste Sensors Based on Artificial Lipids with Global Selectivity to Basic Taste Qualities and High Correlation to Sensory Scores

Sensors **2010**, 10(4), 3411-3443; doi:10.3390/s100403411

Available online: <http://www.mdpi.com/1424-8220/10/4/3411>

3rd Prize

George F. Fine, Leon M. Cavanagh, Ayo Afonja and Russell Binions

Metal Oxide Semi-Conductor Gas Sensors in Environmental Monitoring

Sensors **2010**, *10*(6), 5469-5502; doi:10.3390/s100605469

Available online: <http://www.mdpi.com/1424-8220/10/6/5469>

The prize awarding committee merits the article “Bioconjugation Strategies for Microtoroidal Optical Resonators” as a “significant experimental work to extend label-free biosensors performance to specificity by surface functionalization (silica microtoroidal case)”. The review “Glucose Biosensors: An Overview of Use in Clinical Practice” “details, in depth, the analytical requirements in terms of precision of measurement, statistical accuracy...; and will “...enable a perspective on the future direction of the medically accepted correlation.”, and further “...moves from the basic principles of these important devices to actual practice”.

These eight exceptional papers are valuable contributions to *Sensors* and the sensing field. On behalf of the Prize Awarding Committee and the Editorial Board of *Sensors*, we would like to congratulate these eight teams for their excellent work. In recognition of their accomplishment, Drs. Andrea M. Armani, Christian H. Schwalb, Rozalia Orghici, Angelo Maria Sabatini and Martin Nirschl will receive 1,000 CHF, 800 CHF, 600 CHF, 400 CHF and 200 CHF, respectively, and the privilege of publishing an additional open access format paper of their choice, free of charge, in *Sensors* in 2014. Drs. Soo-Youn Lee, Yoshikazu Kobayashi, and Russell Binions will be awarded the privilege of publishing an additional research paper free of charge in open access format in *Sensors*.

Prize Awarding Committee

Editor-in-Chief, Section ‘Physical Sensors’

Dr. Vittorio M.N. Passaro

Department of Electrical and Information Engineering, Politecnico di Bari, Via E. Orabona n. 4,
70125 Bari, Italy

Tel.: +39-080-5963-850; Fax: +39-080-5963-410

Website: <http://dee.poliba.it/photonicsgroup>

E-Mail: passaro@deemail.poliba.it

Editor-in-Chief, Section ‘Chemical Sensors’

Prof. Dr. W. Rudolf Seitz

Analytical Chemistry, Department of Chemistry, University of New Hampshire, Durham,
NH 03824-3598, USA

Tel.: +1-603-862-2408; Fax: +1-603-862-4278

Website: http://www.unh.edu/chemistry/faculty/seitz_w.html

E-Mail: wrs@cisunix.unh.edu

Editor-in-Chief, Section ‘Remote Sensors’

Dr. Assefa M. Melesse

Department of Environmental Studies, ECS 339, Florida International University,

11200 SW 8th Street, Miami, FL 33199, USA

Tel.: +1-305-348-6518; Fax: +1-305-348-6137

Website: <http://www.fiu.edu/~melessea/>

E-Mail: assefa.melesse@fiu.edu

Editor-in-Chief, Section ‘Biosensors’

Dr. Alexander Star

Department of Chemistry, University of Pittsburgh, 219 Parkman Avenue, Pittsburgh, PA 15260, USA

Tel.: +1-412-624-6493; Fax: +1-412-624-4027

Website: <http://www.pitt.edu/~astar/>

E-Mail: astar@pitt.edu

Editor-in-Chief, Section ‘Sensor Networks’

Dr. Mohamed F. Younis

Department of Computer Science and Electrical Engineering, University of Maryland, Baltimore County, 1000 Hilltop Circle, Baltimore, MD 21250, USA

Tel.: +1-410-455-3968; Fax: +1-410-455-3969

Website: <http://www.csee.umbc.edu/~younis>

E-Mail: younis@cs.umbc.edu

References

1. Han, O. *Sensors* Best Paper Award 2011. *Sensors* **2011**, *11*, 1243–1245.
2. Han, O. *Sensors* Best Paper Award 2012. *Sensors* **2012**, *12*, 1127–1129.
3. Passaro, V.M.; Seitz, W.R.; Melesse, A.M.; Star, A.; Han, O. *Sensors* Best Paper Award 2013. *Sensors* **2013**, *13*, 2113–2116.

© 2014 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).