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Front page: Prof. Dr. Janez Krč, Zois Certificate of Recognition (Photo: M. Topič)	Naslovnica: prof. dr. Janez Krč, prejemnik Zoisovega priznanja (Foto: M. Topič)

Editorial | Uvodnik

Dear Reader,

This issue brings one review scientific paper and 11 original scientific papers. A focus of the last (4th) issue used to be on state-of-the-art papers by invited speakers at the MIDEM conference that we organize in late September every year. Although the 52nd MIDEM Conference under the Chairmanship of Dr. Danilo Vrtačnik and Dr. Drago Resnik was a big success with the highlight on Biosensors and Microfluidics Workshop, distinguished invited speakers could not commit themselves to write a full paper for our journal except Dr. Guillaume Tresset and Dr. Ciprian Iliescu. To compensate the loss, the conference programme committee made a selection of the best regular papers that have been peer-reviewed and published mainly in the previous issue. As the last papers from the conference you can find in this issue the papers by Patrizia Malpignano et al..

Year 2016 is rapidly running out and this editorial should reveal some statistics about manuscripts. In 2016 we have received more than 182 manuscripts, out of which only 27 have been accepted for publication and more than 140 manuscript were rejected. Despite clearly defined title of our journal and on-line instructions for authors we receive each year a dozen of manuscripts that are out of our journal's scope. In 2016 we published 2 review scientific papers and 28 original scientific papers. The success rate below 20% in 2016 reflects determination for quality that will path long-term quality growth. An increase in the JCR impact factor and SNIP for 2015 is certainly a proof for that. I would like to sincerely thank all reviewers and Editorial Board Members for their valuable contribution to the journal quality growth.

In 2015 we have worked hard to switch to an on-line submission and review process of manuscripts. Thanks to Dr. Kristijan Brecl and Dr. Matija Pirc who mastered the Open Journal Systems and prepared it for our journal, we have successfully passed the initial phase with the on-line submission starting 1st Jan 2016. We are pleased that the system enables shorter review times, better support for reviewers and higher satisfaction of authors.

December is time for recognition and celebration, as elsewhere also in Slovenian science arena. We are happy to congratulate Prof. Dr. Janez Krč to be honoured with the "Zoisovo priznanje" – the second highest Award of the Republic of Slovenia for Scientific and Research Achievements – that he received for important achievements in Photovoltaics and Optoelectronics.

Let the festive days bring joy and peace in each home, office or research laboratory. It is the time to look ahead and make ambitious plans for the coming year. This brings me to editorial wishes for 2017. As a part of your success we look forward to receiving your next manuscript(s) on our submission page (<http://ojs.midem-drustvo.si/>).

Merry Christmas and a Happy and Prosperous New Year!

Prof. Marko Topič
Editor-in-Chief

P.S.

We look forward to receiving your next manuscript(s) in our on-line submission platform:
<http://ojs.midem-drustvo.si/index.php/InfMIDEM>

Najvišja priznanja v slovenski znanosti v letu 2016

Odbor za nagrade, ki mu predseduje prof. dr. Tamara Lah Turnšek, je 21.11.2016 v Cankarjevem domu v Ljubljani podelil najvišja priznanja za dosežke na znanstveno raziskovalnem področju. Slavnostni govornik na prireditvi je bil predsednik državnega zbora dr. Milan Brglez. Zoisovo nagrado za življenjsko delo sta prejela akad. prof. dr. Uroš Skalerič in akad. prof. dr. Branko Stanovnik, Priznanje ambasador znanosti Republike Slovenije so prejeli prof. dr. Sara Dolničar, prof. dr. Gregor Cevc in prof. dr. Igor Gregorič, Zoisove nagrade za vrhunske dosežke so šle v roke prof. dr. Janku Prunku in prof. dr. Božidarju Šarlerju. Podeljenih je bilo tudi pet Zoisovih priznanj in eno Puhovo priznanje.

Med letošnjimi dobitniki petih Zoisovih priznanj za pomembne dosežke na posameznih področjih je tudi dolgoletni član društva MIDEM **prof. dr. Janez Krč** s Fakultete za elektrotehniko Univerze v Ljubljani, ki je prejel **Zoisovo priznanje za pomembne dosežke v fotovoltaiki in optoelektroniki**. Pri načrtovanju sodobnih optoelektronskih gradnikov predstavlja numerično modeliranje ključno orodje tako za optimizacijo obstoječih struktur kot tudi za razvoj novih. Prof. dr. Krč je razvil enodimenzionalni optični model za simulacijo tankoplastnih optoelektronskih struktur z nanohrapavimi spoji, kar je omogočilo podrobno analizo in izboljšanje učinkovitosti pretvorbe sončnih celic. Prof. dr. Krč je odigral odločilno vlogo tudi pri razvoju ostalih optičnih modelov in simulatorjev v Laboratoriju za fotovoltaike in optoelektroniko. Mednje sodi tudi koncept sklopljenega modeliranja, ki omogoča simulacije najsodobnejših optoelektronskih gradnikov z nano- in mikrofotonskimi strukturami. Izbrane pristope modeliranja tankoplastnih fotonapetostnih gradnikov



prof. dr. janez Krč (Arhiv MIZŠ. Foto: STA / Tamino Petelinšek)

je kot prvi avtor objavil v znanstveni monografiji pri mednarodni založbi CRC Press. Licence razvitih simulatorjev uporabljajo v priznanih raziskovalnih organizacijah, med njimi sta Ecole polytechnique federal de Lausanne v Švici in Helmholtz-Zentrum Berlin v Nemčiji, ter v uglednih podjetjih v Evropi, ZDA in Aziji.

Iskrene čestitke vsem prejemnikom nagrad in priznanj, še posebej pa dolgoletnemu članu našega društva prof. dr. Janezu Krču!

Prof. dr. Marko Topič
Predsednik društva MIDEM



Nagrajenci s predsednico Odbora za nagrade, prof. dr. Tamaro Lah Turnšek, ministrico za izobraževanje, znanost in šport, prof. dr. Majo Makovec Brenčič in predsednikom državnega zbora dr. Milanom Brglezom (v sredini). (Arhiv MIZŠ. Foto: STA / Tamino Petelinšek)

MIDEM 2017

53rd INTERNATIONAL CONFERENCE ON MICROELECTRONICS, DEVICES AND MATERIALS WITH THE WORKSHOP ON MATERIALS FOR ENERGY CONVERSION AND THEIR APPLICATIONS



Announcement and Call for Papers

October 4th – 6th, 2017

Jožef Stefan Institute, Ljubljana, Slovenia

ORGANIZER: MIDEM Society - Society for Microelectronics, Electronic Components and Materials, Ljubljana, Slovenia

CONFERENCE SPONSORS: Slovenian Research Agency, Republic of Slovenia; IMAPS, Slovenia Chapter; IEEE, Slovenia Section;

GENERAL INFORMATION

The 53rd International Conference on Microelectronics, Electronic Components and Devices with the Workshop on Materials for Energy Conversion and Their Applications continues a successful tradition of the annual international conferences organised by the MIDEM Society, the Society for Microelectronics, Electronic Components and Materials. The conference will be held at **Jožef Stefan Institute, Ljubljana, Slovenia, leading Slovenian scientific research institute**, from **OCTOBER 4th – 6th, 2017**.

Topics of interest include but are not limited to:

- Workshop focus: Materials for Energy Conversion and Their Applications:
- Electrocalorics and Thermoelectrics
- Novel monolithic and hybrid circuit processing techniques,
- New device and circuit design,
- Process and device modelling,
- Semiconductor physics,
- Sensors and actuators,

- Electromechanical devices, Microsystems and nanosystems,
- Nanoelectronics
- Optoelectronics,
- Photonics,
- Photovoltaic devices,
- New electronic materials and applications,
- Electronic materials science and technology,
- Materials characterization techniques,
- Reliability and failure analysis,
- Education in microelectronics, devices and materials.

ABSTRACT AND PAPER SUBMISSION:

Prospective authors are cordially invited to submit up to 1 page abstract before **May 1st, 2017**. Please, identify the contact author with complete mailing address, phone and fax numbers and e-mail address. After notification of acceptance (**June 15th, 2017**), the authors are asked to prepare a full paper version of six pages maximum. Papers should be in black and white. Full paper deadline in PDF and DOC electronic format is: **August 31st, 2017**.

IMPORTANT DATES:

Abstract deadline: **May 1st, 2017** (1 page abstract or full paper)

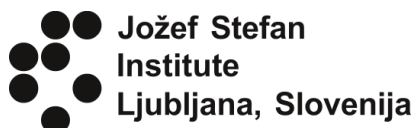
Notification of acceptance: **June 15th, 2017**

Deadline for final version of manuscript: **August 31st, 2017**

Invited and accepted papers will be published in the conference proceedings.

Detailed and updated information about the MIDEM Conferences is available at

<http://www.midem-drustvo.si/> under Conferences.



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