

### THE III INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND ENGINEERING YSF-2017



The III International Young Scientists Forum on Applied Physics and Engineering was held on October 17–20, 2017 at Scientific Library of Ivan Franko National University of Lviv. It was organized by the Young Scientists Council of O. Ya. Usikov Institute for Radiophysics and Electronics of the NASU in cooperation with a number of Ukrainian and foreign scientific institutions. The Young Scientists Council of Karpenko Physico-Mechanical Institute of the NASU joined the Organizing Committee as well.

The YSF-2017 brought together young and well-known scientists working in various fundamental and applied fields (including optics and photonics, computational and experimental electromagnetics, biological and medical physics, microwave and terahertz electronics, geoscience and remote sensing, multiwavelength astronomy and astrophysics, nano- and metamaterials, solid state physics, power electronics and industry applications, nuclear and plasma physics, information systems and nondestructive testing). The YSF-2017 program included invited lectures by leading scientists, such as Prof. Gregory Quarles (OSA, Washington D.C., USA), Dr. Tomy Sebastian (IEEE, Bay City, Michigan, USA), DSci. Valeriya Trusova (V. N. Karazin Kharkiv National University, Ukraine), Dr. Carlos Roncero-Clemente (University of Extremadura, Badajoz, Spain), Dr. Valery Zavorotny (NOAA Earth System Research Laboratory, Boulder, Colorado, USA), Dr. Leonid Ponomarenko (Lancaster University, UK). Also there were various workshops, as “Public Speaking” from David Kuptsov (company “Polygon Oratora”, Ukraine), “Scientific Writing and Translation. The art of wordhunting” from Natalia Korol (Zabolotny Institute of Microbiology and Virology, Ukraine), “Building your career path” from Prof. Gregory Quarles (OSA, Washington D.C., USA), “Grant Proposals Writing” from Michael Beck (DAAD Lecturer, Ivan Franko National University of Lviv), “European Union funding for research and inno-

vation possibilities” from Dr. Carlos Roncero-Clemente (University of Extremadura, Badajoz, Spain) and “NATO GRANTS” from Oleksii Kovorotnyi (O. Ya. Usikov Institute for Radiophysics and Electronics of the NASU).

About 150 participants (graduate students, post-graduates and young scientists under 40 y. o.) from 17 Ukrainian cities and 8 foreign countries had presented 15-min oral reports. As a result, they had possibility to exchange their ideas and experiences, improve communication skills etc.



Two types of the Forum materials, abstract and forum papers, were prepared. Abstracts were published on the Forum Proceedings Disk. Forum papers presented at the YSF-2017 will be published in IEEE Xplore Digital Library (Scopus, Web of Science etc).

It is worth noting, that this year the Forum has been recognized as a Europhysics Conference and gained a great support from the European Physical Society as well as from its Young Minds project. There were a number of sponsors which made YSF-2017 possible: European Microwave Association, Innovation House, IEEE organizational units from Kharkiv, Kyiv and Lviv, IEEE Industry Applications Society.

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