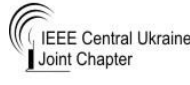




# First Call for Papers



## The 5<sup>th</sup> International Conference IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS-2017)

<http://mrrs2017.ieee.org.ua/>

August 29-31, 2017

Kiev, Ukraine

Organized by IEEE SP/AES Societies Ukraine (Kiev) Joint Chapter  
in collaboration with National Aviation University, Kiev, Ukraine

**The 5<sup>th</sup> Microwaves, Radar and Remote Sensing Symposium MRRS-2017** continues the series of very successful MRRS-2005, MRRS-2008, MRRS 2011 and MRRS 2014. We expect excellent conditions for the successful MRRS-2017. All researchers, experts and students who work in microwaves, radar, remote sensing and adjacent field are cordially invited, and we are waiting for all our traditional participants as well as new colleagues and friends.

### Objectives and grounds

The Symposium is planned to be a forum of ideas exchange and results discussion in the field of electromagnetics and applications, radar technology and systems, signal processing, remote sensing methods, radar meteorology and data processing. Passive and active methods and systems of all frequency bands are welcome.

### Suggested topics

- Electromagnetic fields and guided waves
- Active and passive components and circuits
- Antenna theory and techniques
- Polarimetric antenna measurements
- Scattering and RCS
- Polarimetric and Doppler techniques
- Signal and data processing
- Primary and secondary radar systems
- Passive and active radar systems and subsystems
- MIMO systems and phased arrays
- Millimeter and sub-millimeter wave systems
- Ultra-wideband and noise radar
- Target classification and identification
- Airborne and spaceborne surveillance systems
- Remote sensing of Land/Atmosphere
- Weather radar and meteorological phenomena detection
- Data and image processing and representation
- Acoustic and radio-acoustic systems
- Math modeling and simulation
- SAR and ISAR
- Analog and digital components of radar and electronic systems
- Nanoelectronics in advanced signal processing, microwave and radar applications
- Radar applications: Biomedical, Security and Defense, Automotive, Industrial
- Metamaterials in Radar
- Remote sensing systems for light air vehicles and UAV
- Educational and historical aspects

### Language

The language of all papers, presentations and discussions at the MRRS Symposium is English

### Program

The scientific program of the MRRS-2017 Symposium will consist of invited lectures and contributed oral presentations. Poster session will be organized, if the number of accepted papers exceeds capacity of rented rooms.

## Camera-ready 4-page papers should be downloaded for TPC consideration before April 23, 2017

**Reviewing** will be done by at least 3 independent international experts. Notification of acceptance is planned by May 28; and **full papers** of the accepted contributions are required before July 09.

### Publications

The Proceedings will be prepared directly from the full papers supplied by authors; therefore, careful preparation in accordance with the instructions is required. Detail information will be contained on the Symposium home page in the menu “Author Info”. We plan EuMA and IEEE technical co-sponsorship and IEEE Xplore publication. Extended versions of the papers, presented at the Symposium, will be recommended for publication in journals:

“International Journal of Microwaves and Wireless Technologies” (<http://journals.cambridge.org/mrf>),

“Telecommunications and Radio Engineering” (<http://www.begellhouse.com/journals/>) or

“Electronics and Control Systems” (<http://old.nau.edu.ua/en/Science/publications/systemiyprav/>). For

further information please visit our web page at <http://mrrs2017.ieee.org.ua/> or contact us by E-mail: [ayua@nau.edu.ua](mailto:ayua@nau.edu.ua); [yanovsky@nau.edu.ua](mailto:yanovsky@nau.edu.ua)

### Young Scientist Travel Grants

Modest travel grants are expected to help young scientists to attend the MRRS-2017 symposium. The number and amount of grants will depend on the success of the on-going search for sponsors.

### Young Scientist Contest

The MRRS International Jury will award the Young Scientist Prizes (sponsored by EuMA) to engineers, researchers or students who have presented outstanding papers at the MRRS-2017 Symposium. Each prize includes cash money and a colorful certificate.

### Chairman MRRS 2017 Symposium

**Professor Dr. Felix Yanovsky**, IEEE Fellow, EuMA Member  
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### MRRS 2017 Symposium TPC Chair and Coordinator

**Dr. Yuliya Averyanova**, IEEE Senior Member, EuMA Member  
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WELCOME TO  
KIEV!

