



## Call for Papers

Welcome to the 10th International Conference on Ultrawideband and Ultrashort Impulse Signals. UWBUSIS provides the international forum for discussing recent advances in ultra wideband and ultra short impulse signal problems.

For the first time, UWBUSIS-2020 is organized within the 2020 IEEE Ukrainian Microwave Week that will be held in Kharkiv, Ukraine, in June 22 – 27, 2020.

More information is available on our web page [uwbusis.karazin.ua](http://uwbusis.karazin.ua).

UWBUSIS topics include, but are not limited to

- UWB signal processing;
- Theoretical investigations and numerical simulations of UWB and ultrashort impulse signals and processes;
- Generation and receiving of UWB signals and ultrashort impulses;
- Ultra-wideband antennas;
- Electromagnetic compatibility;
- Electromagnetic metrology;
- Propagation and scattering of ultra-wideband and ultrashort impulse signals in natural and artificial materials (complex media, radio absorbers, biomaterials, nanostructures, metamaterials, etc.);
- Ultra-wideband radar and ground penetrating radar;
- Application of UWB signals and ultrashort impulses (communication, medicine, etc.).

The language of the conference is English.

The papers accepted for the program will be published in the Proceedings of the 2020 IEEE Ukrainian Microwave Week: 10th International Conference on Ultrawideband and Ultrashort Impulse Signals (UWBUSIS-2020) in English

All accepted papers and oral (or poster) presenting at the UWBUSIS-2020 will be submitted for inclusion in IEEE Xplore Digital Library as well as other Abstracting and Indexing (A&I) databases (Scopus, Web of Science, etc). "No-show" papers won't be submitted for inclusion in IEEE Xplore Digital Library.

### Young Scientist Program:

Within the conference lectures given by specialists in UWB and EMC community will be held for young scientists.

Owing to support of EuMA we announce the contest for the best paper among young scientists. To participate in the contest the paper should be accepted for oral presentation and presented in English personally by a young scientist.

### Organizers and Co-Organizers:

IEEE Ukraine Section, IEEE Ukraine Section (Kharkiv) SP/AP/C/EMC Societies Joint Chapter, V. N. Karazin Kharkiv National University, in cooperation with Ukrainian National Antenna Association, Kharkiv National University of Radio Electronics

### Location and Venue:

The venue of the 2020 IEEE Ukrainian Microwave Week and UWBUSIS-2020 is Kharkiv, Ukraine. All sessions of UWBUSIS-2020 will be held in V. N. Karazin Kharkiv National University, which is located at address: 4, Svobody Sq., Kharkiv, Ukraine.

### Paper Submission:

Authors are invited to directly submit full camera-ready papers between 4-6 pages. Papers should present original and relevant work not submitted or published elsewhere.

### Important Dates:

20.03.2020 – Paper Submission Deadline  
Extended  
06.04.2020 – Notification of Acceptance  
20.04.2020 – Final Paper Submission Deadline  
22 – 27.06.2020 Conference Dates

### Conference Board:

#### Honorary Chairman:

Prof. Nikolay N. Kolchigin, *IEEE Senior Member, Head of Theoretical Radiophysics Department, V. N. Karazin Kharkiv National University, Kharkiv, Ukraine*

#### Chairman:

Prof. Sergey N. Shulga  
*Dean of School of Radiophysics, Biomedical Electronics and Computer Systems, KhNU, Kharkiv, Ukraine*

#### TPC Chairs:

Prof. Lorenzo Capineri, *IEEE Senior Member, University of Florence, Italy*  
Prof. Alexander Butrym, *KhNU, Kharkiv, Ukraine*

#### Publication Chair:

Vlad S. Khrychov,  
*KhNU, Kharkiv, Ukraine*

#### Conference Coordinator:

Dr. Mariya S. Antyufeyeva, *IEEE Member, Chair of IEEE Ukraine Section (Kharkiv) SP/AP/C/EMC Soc. Joint Chapter, KhNU, Kharkiv, Ukraine*

### Contacts:

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[uamweek.ieee.org](http://uamweek.ieee.org)

No entry visa required for citizens of EU, Switzerland, Norway, USA, Canada, Argentina, Japan, and some other countries.