



# ARMIMP-2016

*The Ninth International Conference*

## «Acousto-optical and Radar Methods for Information Measurements and Processing»

September 25-28, 2016, Suzdal, RUSSIA

### CALL FOR PAPERS

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The Technical Program Committee (TPC) announces the *Ninth International Conference on Acousto-optical and Radar Methods for Information Measurements and Processing (ARMIMP-2016)* to be held in September 2016 on the base of the Vladimir State University in Suzdal (this ancient city is a part of the famous "Golden Ring of Russia"). The TPC invites the international community to present and discuss state-of-the-art developments, advances, and innovations in the areas of generation, radiation, propagation, acousto-optical and radar methods for digital processing of signals of various physical nature, and their applications in different areas of science and technology.

**Paper Submissions.** Authors are invited to submit contributions in the following areas:

- Generation and radiation of ultrawideband signals and ultrashort impulses;
- Radiation, acceptance, and processing of ultrawideband signals and ultrashort impulses;
- Propagation of ultrawideband signals and ultrashort impulses in nature media;
- Remote sensing of nature media with ultrawideband signals and ultrashort impulses;
- Millimeter and submillimeter waves;
- Methods of mathematical modeling of physical processes in optics and radar;
- methods of the solution of incorrect tasks in a radar-location and optics;
- Information-measuring optical and radio engineering systems;
- R-functions, atomic functions, wavelets, fractals and chaos;
- Ultrawideband chaotic signals in optical and radiotechnical information systems;
- Methods of computerized tomography in optics and radar;
- Ultrashort impulses and methods of nonlinear optics;
- Acousto-optical and radar methods of measurements and processing in biology and medicine;
- Physical basics of instrumentation;
- Laser physics and techniques;
- Space instrumentation.

Working language of the Conference are *Russian and English*. Prospective authors must submit to the TPC no more than **4-page** Full paper manuscript for reviewing (via E-mail). The accepted papers will be published in the Conference Proceedings and will be available at the Conference. Upon a decision of the TPC, selected presented papers will be published in English in the special issues of The International Journals of *Physical Bases of Instrumentation*.

**Organizers:** Scientific and Technological Centre for Unique Instrumentation RAS, Kotel'nikov Institute of Radio Engineering and Electronics RAS, A.S. Popov Society (RNTORES), IEEE Russia Section, Bauman Moscow State Technical University, Vladimir State University, Lomonosov Moscow State University.

#### Instructions for Electronic Submissions of the 4-page Papers

**Paper size:** A4 (210×297 mm), pages are not numbered. **Font type:** Times Roman. **Title:** 14 pt size uppercase bold centered. **Authors' names:** 12 pt size lowercase centered 2 lines below the title. **Affiliations:** 10 pt size lowercase centered 1 line below the authors' names. **Headings:** 12 pt size, uppercase, centered. **Text:** formatted one-column, single-spaced, 11 pt size, double line space between paragraphs. **Margins:** Top, Right, and Left – 25 mm, Bottom – 30 mm. **Figures and tables:** centered. **References:** listed 2 lines below the text; format:

#### REFERENCES

1. Author, N.N. Title of Book / Place: Publisher, year.
2. Author, N.N. Title of Paper // Journal Title. Year. Vol. #. No. #. P. #-#.

**Address for electronic submissions:** [doklad-rntores@mail.ru](mailto:doklad-rntores@mail.ru)

**Acceptable file formats:** MS\_Word.doc (type of file: Word 97-2003)

#### Important dates:

- Submission deadline

**Juni 24, 2016;**

- Notification of

acceptance since

**August 16, 2016**

on <http://www.rntores.ru>