Call for Papers

THE SECOND RADAR METHODS AND SYSTEMS WORKSHOP (RMSW)

http://ieee.nau.edu.ua/index-34.html

September 25-27, 2012   **Kiev, Ukraine**

Organized in the framework of the Fifth World Congress "Aviation in the 21st Century"
by IEEE Ukraine Section Joint SP/AES Chapter (Kiev)
and National Aviation University - Radio Electronics Department

Objectives and grounds

The **Radar Methods and Systems Workshop (RMSW)** is a successor of the Microwaves, Radar and Remote Sensing Symposium (MRRS) that was very successful in 2005, 2008 and 2011. The last MRRS (http://ieee.nau.edu.ua/index-22.html) gathered together participants from 22 countries in Kiev in 2011. MRRS is planned to be conducted every third year (next MRRS will be in 2014). In 2010 a smaller but also very interesting event – the first RMSW (http://ieee.nau.edu.ua/index-12.html) started in the framework of the 4th World Congress "Aviation in the 21st Century"(http://congress.nau.edu.ua/). The participants from 10 countries presented their papers and discussed the latest results. The **second RMSW-2012** will be held in the framework of the 5th World Congress "Aviation in the 21st Century"(http://congress.nau.edu.ua/2012/en/sample-page/) and is planned to be a forum of ideas exchange and results discussion in the field of electromagnetic theory and applications; microwaves; radar technology, systems and signal processing; remote sensing methods and data processing. Both passive and active methods and systems of all frequency bands are welcome.

Language
The language of all papers, presentations and discussions at the RMRW is English

Suggested topics
- Antenna theory and techniques
- Scattering and RCS
- Polarimetric and Doppler techniques
- Signal, Image and Data processing
- Primary and Secondary radar
- MIMO systems
- Passive systems
- Millimeter and sub-millimeter wave systems
- UWB radar
- Target classification and identification
- Airborne and spaceborne systems
- Remote sensing
- Weather radar
- Biomedical applications
- Math Modeling and Simulation
- SAR and ISAR
- Acoustic and radioacoustic systems

Program

The scientific program of the IEEE RMSW-2012 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.

Important Dates

Paper Submission Date: July 15, 2012

Notification of Acceptance: July 31, 2012

Publications

All contributions presented in oral and poster sessions will be published in the Proceedings of the Fourth World Congress and CD. Selected papers successfully presented at RMSW-2012 will be recommended for publication as extended version in the international journals: "Microwave and Wireless Technology" (Cambridge University Press, UK), "Telecommunications and Radio Engineering" (USA), "Electronics and Control Systems" (Ukraine), "Bulletin of the National Aviation University" (Ukraine).

Rules for paper preparation

The detailed instructions are presented at the Congress web page: http://congress.nau.edu.ua/2012/en/proceedings/. Shortly: 3-5 full A4 pages including figures, tables, and references. Times New Roman, single spaced. Margins: 20 mm around.
The first line is **UDC:** left-aligned, the interval after UDC is 12 pt. Next lines:
Authors: initials, surname, degree in science, in brackets - company, country; font 12, italic, right-aligned, interval after -12 pt.
Title of the article: font 12, bold, left-aligned, interval after -12 pt, all capital letters, without hyphenation.
Abstract: font 11, italic, right and left indent - 5mm, interval after - 12 pt, mot more than 5 lines.
The text of the article: font 12, first line indent 10 mm, full justification. **Figures**: TIFF or JPG formats, 300-600 dpi; also the graphic editor MS Word is possible (a grouped object); captions: font 11, justified. **Tables:** numbering - font 11, italic, right-alignment; titles - font 11, bold, centered; **Formulas:** please use build-in Equation 3 Editor. **Conclusion:** title - font 12, bold, separate section (space before 12 pt, after 6 pt, centered) or directly in the text (font 12). **References:** title - font 12, bold, centered, space before - 12 pt, after - 6 pt; text must be typed as numbered list, indent of 10 mm, justified; surnames and initials of the authors of references – italic.

Contacts and Submissions

For further information about RMSW-2012 please visit our web page
http://ieee.nau.edu.ua/index-34.html or contact us by E-mail to Yuliya Averyanova yuliya-ans@yandex.ru
All contributions please submit by e-mail to yuliya-ans@yandex.ru and copy to felix.yanovsky@ieee.org
in **both** .pdf and .doc format.

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