

Call for Papers

5th International Conference METHODS AND SYSTEMS OF NAVIGATION AND MOTION CONTROL (MSNMC-2018)

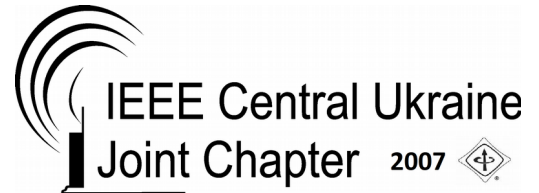
<http://iee.nau.edu.ua/msnmc-2018/>

October 16-18, 2018

Kyiv, Ukraine



IEEE



Organized by IEEE Ukraine Section Joint SP/AES Chapter (Kyiv)
and the National Aviation University

Language

Language of the Conference is only English.

Objectives and grounds

The Conference is planned to be a forum of ideas exchange and results discussion in the field of methods, algorithms of computer-aided design of UAV (aerodynamics, flight-technical, characteristics, durability) data transmission channels equipment of UAV: navigation and motion control systems, adaptive robust and optimal control systems useful load software, air traffic control centre and maintenance of UAV.

Suggested topics

- Advanced methods of the computer-aided design (CAD) of avionics equipment
- Navigation systems and sensors CAD
- Ground navigation equipment CAD
- On-board computer network systems CAD
- Aircraft control systems CAD
- Advanced methods of robust control systems design
- Aircraft control systems with elements of artificial intellect
- Hard and soft computing in flight control and navigation systems
- Adaptive and optimal control systems
- Synthesis of navigation and flight control systems for UAVs
- Synthesis of navigation and flight control systems for ground and marine vehicles
- Methods of state estimation and identification of the vehicles (aerial, ground and marine)
- Methods of Hardware-in-Loop-Simulation (HILS) of the navigation and motion control systems for all kinds of vehicles
- Aviation trainers and simulators
- Design testing and calibration of aviation instruments and sensors
- Methods and systems for navigation and flight control equipment testing.

Program

The scientific program the 5th International Conference “Methods and Systems of Navigation and Motion Control” (MSNMC-2018) consists 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:	June 30, 2018
Notification of Acceptance:	July 30, 2018
Final Paper Submission Date:	September 5, 2018

Publications

All contributions presented in oral and poster sessions will be published in the Conference Proceedings and CD. The Proceedings will be prepared directly from the papers supplied by authors, therefore careful preparation in accordance with the instructions is required. Detail information is contained on the Conference home page <http://ieee.nau.edu.ua/msnmc-2018/>. Because of planned IEEE Xplore publication, all the authors are requested to fill in the IEEE Copyright form and submit it together with the paper. **“No-show” papers won’t be included in the IEEE Xplore Digital Library.**

Rules for paper preparation

A complete manuscript in English describing a new work in the areas of Conference Topics should be prepared in both .pdf and .doc formats and submitted following the detailed instructions presented at the conference web page: <http://ieee.nau.edu.ua/msnmc-2018/> by June 17, 2017.

Full text of a paper should occupy four A4 full pages including figures, tables, and references. All contributors are encouraged to make the first submission prepared so close to the future final paper as possible. All papers included into the Conference Proceedings and presented at the Conference will be later made available to the public through the IEEE Xplore web page.

Contacts

For further information about MSNMC-2018 Conference please visit our web page at <http://ieee.nau.edu.ua/msnmc-2018/> or contact us by E-mail to Olha Sushchenko sushoa@ukr.net

General Chair of MSNMC-2018 Conference

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Technical Program Committee – TPC (to be continued)

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Registration procedure

For preliminary registration please fill in (one form per participant) and submit the Registration Form with paper by e-mail to the Secretariat (e-mail: sushoa@ukr.net). Registration Form you can download at web site of the Conference. Later the on-line registration is planned to be organized.

Registration fee

Registration fee	Ukraine	Other countries
Full-time participation	400 UAH	200 EUR
Postgraduate Students	350 UAH	175 EUR
IEEE members	320 UAH	160 EUR
Postgraduate Students, IEEE members	280 UAH	140 EUR

For detail information please visit the conference web site
<http://ieeenu.edu.ua/msnmc-2018/>