

## First International Scientific and Practical Conference

### «Theoretical and Applied Aspects of Device Development on Microcontrollers and FPGAs» MC&FPGA-2019

June 26-27, 2019

Kharkiv  
Kharkiv National University of Radio Electronics



### CALL FOR PAPERS

#### Dear colleagues!

We invite you to participate in the First International Scientific and Practical Conference "Theoretical and Applied Aspects of Device Development on Microcontrollers and FPGAs" MC&FPGA-2019, which will be held from 26 to 27 June 2019 on the basis of the Department of Microprocessor Technologies and Systems [mts.nure.ua](http://mts.nure.ua), Faculty of Information Radio Technology and Technical Information Protection of the Kharkov National University of Radio Electronics [nure.ua](http://nure.ua), Kharkiv, Ukraine.

The relevance of the conference topics is due to the tendencies of the society's transition to the technologies of the Industry 4.0 and IIoT, which put forward new requirements for the design and development of electronic devices. In particular, electronic equipment must meet the requirements: operation in real time, availability of universal interfaces, accounting for changes in external conditions, etc.

#### Topics of the conference:

- Mathematical modeling of information signals and systems;
- Hardware Description Languages;
- Systems of computer aided design of devices on microcontrollers, microprocessors and FPGAs;
- Features of device development on microcontrollers and microprocessors;
- Aspects of the development of devices in the FPGA;
- Architecture and microarchitecture of specialized computing systems;
- Modern trends in the design of microprocessor technology;
- The problem of improving the quality of training specialists.

#### Requirements for your abstracts preparation

1. The abstracts prepared must be sent by June 23, 2019 by e-mail to [irynd.svyd@nure.ua](mailto:irynd.svyd@nure.ua).
2. The working language of the conference is English.
3. The volume of the abstracts must be from 2 to 4 full pages.
4. The text of the abstract of the report should be prepared according to the template (template\_a4\_format.doc). The author is responsible for the quality and content of the theses.
5. After a successful review, a response is sent with the following information: "Abstracts of your report is taken".
6. Theses of reports will obtain digital identifiers DOI.
7. After the conference, the abstracts will be published on the site [mcfpga.nure.ua](http://mcfpga.nure.ua) and the booklet of theses will be sent by e-mail to the authors.

#### Contact Information

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