

IEEE AICT 2017

2nd IEEE International Conference on Advanced Information and Communication Technologies

July 4 ~ 7, 2017

Lviv Polytechnic National University, Lviv, Ukraine

<http://aictec.org>



GENERAL INFORMATION

This conference explores novel ideas in the area of information and communication technologies and their implementation. The aim of the 2nd IEEE International Conference on Advanced Information and Communication Technologies is to exchange the experience and enhance global collaboration in the area of ICT. Themed "Next-Generation Networking for the Internet of Things: 5G, SDN, NFV and Cloud Computing," with its location in the Lviv, one of largest IT clusters in Eastern Europe, this conference will feature a comprehensive technical program including five sessions on ICT related topics. IEEE AICT 2017 will also include an exceptional Industry Collaboration program including leading IT companies and keynote speakers. Conference topics are expanded below but their sub-topics are not listed exhaustively:



Internet of Things (IoT)

- IoT Architecture
- IoT Protocol Stack
- End devices for IoT
- IoT Applications and Security
- New Wireless Technologies for IoT

Optical Transport and Access Networks

- Optical Components, Devices and Subsystems
- Optical Switching Technologies
- Passive Optical Networks
- Novel Multi-layer Architectures and Protocols
- Next Generation Optical Transport Systems

Cloud Communications and Networking

- Distributed Information Systems
- Mobile Cloud Computing
- Big Data Acquisition and Processing
- Traffic Engineering and Load Balancing
- Cloud Security and Privacy

Mobile Communication Networks

- 5G Heterogeneous Networks
- LTE-Advanced Standards
- Spectrum Management
- Device-to-Device Communications
- PHY/MAC Wireless Technologies

Software Defined Networking and Network Function Virtualization

- Software Defined Network Architecture
- Network Functions Virtualization and Orchestration
- SDN/NFV Implementation for Fixed and Mobile Networks
- Network Management and Security
- Emerging SDN Protocols

CONFERENCE LANGUAGE – English

IMPORTANT DATES

Paper submission due: ~~May 15, 2017~~ **June 7, 2017**

Paper acceptance notice: June 15, 2017

Paper registration due: June 20, 2017

Camera-ready papers due: June 25, 2017

ORGANIZING COMMITTEE

GENERAL CHAIR

Prof. Yuriy Bobalo, Lviv Polytechnic National University, Ukraine

EXECUTIVE CO-CHAIRS

Prof. Minho Jo, Korea University, S. Korea

Prof. Mykhailo Klymash, Lviv Polytechnic National University, Ukraine

Prof. Oleksandr Lemeshko, Kharkiv National University of Radio Electronics, Ukraine

TPC CO-CHAIRS

Prof. Andriy Luntovskyy, University of Cooperative Education, Germany

Prof. Bohdan Strykhalyuk, Lviv Polytechnic National University, Ukraine

Prof. Valeriy Bezruk, Kharkiv National University of Radio Electronics, Ukraine

ADVISORY CO-CHAIRS

Prof. Ivan Prudyus, Lviv Polytechnic National University, Ukraine

Prof. Markian Pavlykevych, Lviv Polytechnic National University, Ukraine

Dr. Mykhailo Andriychuk, IEEE Ukraine Section, Ukraine

Dr. Roman Korzh, Lviv Polytechnic National University, Ukraine

Prof. Felix Yanovskyy, Professor, IEEE Fellow, IEEE Ukraine Section, National Aviation University, Kyiv, Ukraine

Ievgen Pichkalov, Public Union "IEEE Ukraine Section", IEEE Ukraine Section, Kyiv, Ukraine

INDUSTRY COOPERATION CO-CHAIRS

Dr. Marian Kyryk, LLC "Inform-consulting", Ukraine

Dr. Bohdan Koval, Lviv Polytechnic National University, Ukraine

Volodymyr Fedyna, JSC "MTS-Ukraine", Ukraine

Orest Kostiv, Lviv Polytechnic National University, Ukraine

PUBLICATION CHAIR

Dr. Orest Lavriv, Lviv Polytechnic National University

PUBLICITY CO-CHAIRS

Dr. Taras Maksymyuk, Lviv Polytechnic National University, Ukraine

Dr. Mykola Beshley, Lviv Polytechnic National University, Ukraine

EVENT CHAIR

Olena Krasko, Lviv Polytechnic National University

CONFERENCE SECRETARY

Dr. Bohdan Buhyl, Lviv Polytechnic National University

CONFERENCE TREASURER

Olga Shpur, Lviv Polytechnic National University



Lviv Polytechnic National University
Ukraine

CONFERENCE HOSTS



Korea University
South Korea



Kharkiv National University of Radio Electronics
Ukraine

TECHNICAL PROGRAM COMMITTEE

Alexander Schill,
Dresden University of Technology, Germany
Anatoliy Lozhkovskyy,
Odesa O.S. Popov Academy of Telecommunications, Ukraine
Anatoliy Semenko,
State University of Telecommunications, Ukraine
Anatoliy Sachenko,
Ternopil National Economic University, Ukraine
André Lima Férrer de Almeida,
Federal University of Ceara, Brazil
Aziz Mohaisen,
University at Buffalo, USA
Bohdan Rusyn,
Karpenko Physico-Mechanical Institute of The NAS Of Ukraine, Ukraine

Chin-Chen Chang,
Feng Chia University, Taiwan
Chin-Feng Lai,
Chia Nan University of Pharmacy & Science, Taiwan
Dmytro Fedasyuk,
Lviv Polytechnic National University, Ukraine
Haiyang Ding,
Xidian University, China
Hyong-Woo Lee,
Korea University, S. Korea
Ivan Lisovyy,
Odessa National Academy of Telecommunications, Ukraine
Ivan Tsmots,
Lviv Polytechnic National University, Ukraine
Jinsuk Baek,
Winston-Salem State University, USA
Kouichi Sakurai,
Kyushu University, Japan
Larysa Globa,
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine
Leo van Moergestel,
Utrecht University of Applied Sciences, Netherlands
Longzhe Han,
Nanchang Institute of Technology, China
Lubov Berkman,
State University of Telecommunications, Ukraine
Mohammad Upal Mahfuz,
University of Wisconsin-Green Bay, USA
Natalia Kryvinska,
University of Vienna, Vienna, Austria
Nguyen Dinh Han,
Hung Yen University of Technology and Education, Vietnam
Oleh Matviykyv,
Lviv Polytechnic National University, Ukraine
Oleksandr Mozhayev,
National Technical University "Kharkiv Polytechnic Institute"

Oleksandr Yudin,
National Aviation University, Ukraine
Petro Vorobiyenko,
Odesa O.S. Popov Academy of Telecommunications, Ukraine
Qiang Li,
Huazhong University of Science and Technology, China
Reza Malekian,
University of Pretoria, South Africa
Sasitharan Balasubramaniam,
Tampere University of Technology, Finland
Serhiy Pavlov,
Vinnytsia National Technical University, Ukraine
Serhiy Telenyk,
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine
Serhiy Toliupa,
Taras Shevchenko National University of Kyiv, Ukraine
Seung-Wan Ryu,
Chung-Ang University, S. Korea
Tao Han,
Huazhong University of Science and Technology, China
Taras Andrukhiv,
ALP JSC "Ukrtelecom", Ukraine
Tarcisio Ferreira Maciel,
Federal University of Ceara, Brazil
Vasilis Friderikos,
King's College London, UK
Vasyl Kychak,
Vinnytsia National Technical University, Ukraine
Vasyl Lytvyn,
Lviv Polytechnic National University, Ukraine
Volodymyr Pavlysh,
Lviv Polytechnic National University, Ukraine
Volodymyr Mosorov,
Lodz University of Technology, Poland

Volodymyr Popovskyy,
Kharkiv National University of Radio Electronics, Ukraine
Wun-Cheol Jeong,
Korea University, S. Korea
Xiaohu Ge,
Huazhong University of Science and Technology, China
Yaroslav Matviychuk,
Lviv Polytechnic National University, Ukraine
Yevgen Yashchysyn,
Warsaw University of Technology, Poland
Yuriy Romanysyn,
Lviv Polytechnic National University, Ukraine
Yulong Zou,
The University of Western Ontario, Canada
Zujun Hou,
Institute for Infocomm Research, Singapore

SUBMISSION GUIDELINES

CONFERENCE PROCEEDINGS

Camera-ready papers (4-6 full pages) should be prepared strongly in line with [IEEE Conference Paper Template](#). All papers should be submitted through [Easy Chair conference system](#) no later than **June 7, 2017 (extended)**. Note that we do not accept any papers submitted by e-mail. If you have any troubles with paper submission, please inform Organizing Committee: aict.nulp@gmail.com.

REGISTRATION FEE

International participants		Participants from Ukraine and Republic of Georgia	
IEEE Member	80 \$	IEEE Member	300 UAH
non-IEEE Member	100 \$	non-IEEE Member	500 UAH
IEEE Student Member	50 \$	IEEE Student Member	100 UAH
Student	70 \$	Student	300 UAH

At least one author per paper should pay a Regular Registration fee in order to publish the paper. Otherwise, the paper will not be published in the Proceedings of AICT 2017.

Additional expenses: The costs for accommodation, food and travelling are not included in organizing fee.

Payment should be performed after receiving the acceptance notification. All details regarding payment process are provided [here](#). We sincerely ask you to complete your payment by 20.06.2017, and confirm your payment by sending a copy of the payment receipt via e-mail: aict.nulp@gmail.com.