OLEKSANDR MOKIN
Candidate for IEEE Ukraine Section Vice Chair

BIOGRAPHY

Oleksandr Mokin was born on June 15, 1982 in the city of Vinnytsia (Ukraine). In 2003, earned Master's Degree with honors at Vinnytsia National Technical University (VNTU).

In 2007, he defended Ph.D. thesis at the Specialized Scientific Council of the National Technical University of Ukraine "Kyiv Polytechnic Institute". In 2008, was awarded the academic rank of Associate Professor at the Department of Electromechanical Systems of Automation in Industry and Transport of VNTU.

In 2012, he defended his thesis after a higher doctorate course. In 2014, he was awarded the academic rank of Professor at the Department of Renewable Energy and Transport Electrical Systems and Complexes of VNTU.

Since 2010, he has been working as the Head of the Department of Renewable Energy and Transport Electrical Systems and Complexes of VNTU. Avenues of research: electric vehicles, renewable energy, calculus of variations, machine learning, deep learning, MOOCs.

IEEE ACTIVITIES

SECTIONS/CHAPTERS:

- Chair (2016 - 2017) of IEEE Ukraine Section Young Professionals Affinity Group;
- IEEE Ukraine Section Education Activities Chair (2016 - 2017).

CONFERENCES:

- Guest Speaker at Science Section “Power & Energy Conversion and Control Systems” of 2015 International Young Scientists Forum on Applied Physics (YSF-2015);
- IEEE Conference: Power and Energy Society General Meeting - Conversion and Delivery of Electrical Energy in the 21st Century, 2008.

OTHER:

- IEEE Member (2012 - 2017);
- IEEE Young Professionals Affinity Group Membership (2012 - 2017);
- IEEE Transportation Electrification Community Membership (2012 - 2017).

QUALIFICATIONS

In 2013-2017, successfully (95-100% points) completed 16 MOOCs: *Machine Learning* (Coursera), *Neural Networks and Deep Learning* (Coursera), *Solar Cells, Fuel Cells and Batteries* (Stanford University, USA, Stanford Online); *Circuits and Electronics* (Massachusetts Institute of Technology, USA, edX); *Statistical Learning* (Stanford University, USA, Stanford Online); *Solar Energy* (Delft University of Technology, Netherlands, edX); *Model Thinking* (University of Michigan, USA, Coursera); *Computing for Data Analysis* (Johns Hopkins University, USA, Coursera); *An Introduction to Interactive Programming in Python* (Rice University, USA, Coursera); *Creative, Serious and Playful Science of Android Apps* (University of Illinois at Urbana–Champaign, USA, Coursera); *Autonomous Navigation for Flying Robots* (Technische Universität München, Germany, edX), *Genomic Medicine Gets Personal* (Georgetown University, USA, edX), etc.

Author of articles on a subject of online courses "Can MOOCs replace traditional higher education?" (2014, Nos.32, 33) and ""Legalization" of online courses in traditional higher education" (2017, No.7), published in *The Education of Ukraine*, the official newspaper of the MES of Ukraine.

MAJOR ACCOMPLISHMENTS

He is member of IEEE, Young Professionals Affinity Group and Transportation Electrification Community since 2012.

August 15, 2017

Author of over 135 scientific and educational works, including three monographs and five textbooks, two of which were adopted by the Ministry of Education and Science (MES) of Ukraine.

Chair (2016 - 2017) of IEEE Ukraine Section Young Professionals Affinity Group. IEEE Ukraine Section Education Activities Chair (2016 - 2017).

POSITION STATEMENT

As a Vice Chair of IEEE Ukraine Section I will:

- disclosure IEEE benefits for young professionals regardless of geographical location in Ukraine;
- distribute information and consult on IEEE grants for young professional members;
- organize sponsorship assistance from Industry to support of Membership Development for IEEE young professional members.