

OLEKSANDR MOKIN

Candidate for IEEE Ukraine YP AG Chairperson

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: optimization of movement of electric vehicles, alternative energy, energy efficiency, MOOCs.



IEEE ACTIVITIES

SECTIONS/CHAPTERS:

- IEEE Ukraine Section.

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 - 2015);
- IEEE Young Professionals Affinity Group Membership (2012 - 2015);
- IEEE Transportation Electrification Community Membership (2012 - 2015).

QUALIFICATIONS

In 2013-2015, successfully (95-100% points) completed ten MOOCs: *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).

Author of popular article on a subject of online courses "Can MOOCs replace traditional higher education?", published in *The Education of Ukraine*, the official newspaper of the MES of Ukraine (2014, Nos.32, 33).

MAJOR ACCOMPLISHMENTS

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

Author of over 110 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.

September 11, 2015

POSITION STATEMENT

As a Chairperson of IEEE Ukraine Young Professionals Affinity Group I will:

- create web resource for IEEE members of Ukraine Young Professionals Affinity Group;
- disclosure IEEE benefits for young professionals regardless of geographical location in Ukraine;
- distribute information and consult on IEEE grants for young professionals members;
- establish all-Ukrainian network of young professionals members to effectively coordinate overall activities and joint projects;
- organize sponsorship assistance from Industry to support of Membership Development for IEEE young professionals members.

Please find more information at <http://iee.in.ua>