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 Student & Young Professionals Activity Committee (S&YP-AC)
 Program for the IEEE-2021 IECON – IEEE the 47th Annual Conference of the IEEE Industrial Electronics Society**

The outstanding support for IEEE IES conferences and their participants! We offer:

- ✓ The IES Young Professionals & Students Paper Assistance (IES-SYPA). Please note that Young Professionals (**also, doctors and young professors are included, engineers from industry**) could obtain up to the USD 2000 assistance to present the paper and attend the conference. The IES-SYPA 3 minute speeches with 3-minute videos to promote projects of awarded authors. IEEE IES reserved for this more than USD 100 000 annually!
 - See past videos at : <https://www.youtube.com/channel/UCKg8GNii0Q-icXE56AXosGg/playlists>
- Take a part in the video competition now!
 Diplomas ceremony of the IES-SYPA during the Gala Diner to promote young researcher and conference!
- ✓ The Young Professionals & Students Tutorials and Industry Links – excellent place were invited speakers will share their experience with all conference attendees. IES SYP-AC selects the speakers and cover their travel and conference related expenses! We are reimburse the costs of invited keynote speakers up to USD3000.
 - Speaker for industry and academia Mentors and Young professional’s representatives.
 - See past videos at: https://www.youtube.com/watch?v=R-dDH37B40I&list=PLO5umi31c_82HjN7iF7-H-u-zcvVUq0x6&index=5
- ✓ The Young Professionals & Students Forum - where young authors will share their knowledge with all conference attendees. IEEE IES reserved USD 3000 for recognition of the best papers and presentations.
- ✓ Young Professionals & Students Party. Where IEEE IES Officers including the IES President and well know researchers exchange their experiences with younger IES members and future members in relaxing atmosphere. IEEE IES reserved USD 4000 (for a conference chairperson support) to sponsor this event. In case of large number of young attendees, the support would be even increased!

Join IEEE IES and enjoy our outstanding scientific conferences! We support you and your industry education.
 Visit us at <http://www.ieee-ies.org/>.

Organizers

*Sheldon Williamson (Canada)
 Marek Jasinski (Poland)
 Anurag Srivastava (USA)
 Andrii Chub (Estonia)
 Abhijit Choudhury (Japan)
 Suvendu Samanta (India)
 Hani Vahedi (Canada);
 Marek Turzynski (Poland);*

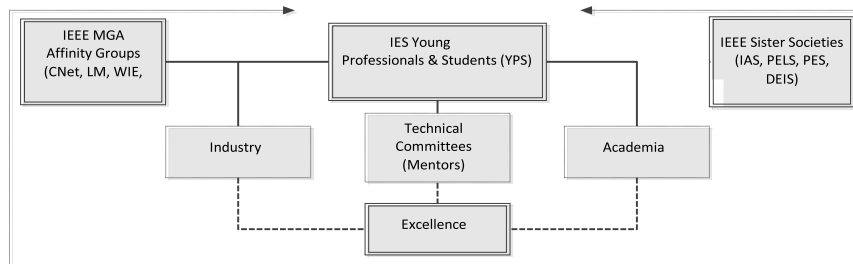
*Adam Milczarek (Poland);
 Hong Li (China);
 Sertac Bayhan (Qatar);
 Dmitri Vinnikov (Estonia);
 Christian Rojas (Chile);
 Fei Gao (France);
 Naki GÜLER (Turkey);*

Aleksander Malinowski (USA)



IEEE IES Young Professionals & Student (YPS) cooperation inside Society and outside of the Society; IES YPS party at bowling.

*Chair of IEEE IES Student & Young Professionals Activity Committee
 Marek Jasinski*



IEEE Industrial Electronics Society Affinity Groups (LM, YPS, WIE)
 Cooperation with IEEE Knowledge and Local Communities

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**Topic of the Student & Young Professional seminar
“Energy, Information and Industrial revolution”
Marek Jasinski, Lucia Lo Bello, Andrii Chub**

Agenda for IEEE – IECON21

October 13 15:30-16:50 UTC

1. Welcome by IEEE IES President and Introduction to the IEEE IES Student & Young Professionals (S&YP).
Prof. Marek Jasinski, Warsaw University of Technology, Poland, IEEE IES S&YP Activity Committee
Prof. Terry Martin, University of Arkansas, USA, IEEE IES President
Prof. Sheldon Williamson, OntarioTech University, Canada, IEEE IECON General Chairperson

2. S&YP – 3 Minutes Speeches.
Chair: Hani Vahedi, Andrii Chub, Marek Turzynski

Based on reviewers opinion and video presentations up to 20 awardees will be selected for paper assistance by IES-SPTA (IEEE IES diploma + up to USD 2000 costs related with conference reimbursement)

Instruction how to prepare and submit the videos is available in file:
rules and tips for 3M video session.pdf (enclosed)

October 14 14:00-15:20 UTC

3. Mentors – Industry Link Round Table title: “Energy, Information and Industrial revolution”
Invited Keynote Panelists: Seta Bogosyan, Lucia Lo-Bello, Morgan Kiani, Jose Rodriguez, Regina Roos, Reinaldo Tonkoski, starting with short presentations of panelists 10 minutes each then discussion.
Chairs: Andrii Chub, Hong Li, Marek Jasinski
4. Closing remarks by IEEE IES Vice President for Membership
Prof. Yousef Ibrahim, Federation University Australia, IEEE IES VP Membership.

Bio subjects and abstracts of Invited Keynotes Panelists:



Seta Bogosyan

Seta Bogosyan (M’92–SM’05) received the B.Sc., M.Sc., and Ph.D. degrees in electrical and control engineering from Istanbul Technical University, Istanbul, Turkey, in 1981, 1983, and 1991, respectively. She conducted Ph.D. studies at the Center for Robotics, University of California at Santa Barbara, CA, USA, where she was a Researcher and Lecturer between 1987 and 1991. She has been a Professor with the Department of Electrical and Computer Engineering, University of Alaska Fairbanks, Fairbanks, AK, USA, since 2003. She is also a Program Officer with the National Science Foundation, Washington, D.C., USA. Her research interests include motion control, teleoperation/bilateral control systems, and applications of nonlinear control/estimation techniques to electromechanical systems in general. She has authored over a hundred journal and conference proceedings and several book chapters. Dr. Bogosyan has served as the Vice President and an Associate Editor of the IEEE Transactions on Industrial Electronics, IEEE Industrial Electronics Society Magazine, and the International Journal of Intelligent Automation and Soft Computing.



Lucia Lo-Bello

Lucia Lo Bello (Senior Member, IEEE) (Ph.D.) is tenured Associate Professor with the Department of Electrical, Electronic and Computer Engineering, University of Catania, Italy. She was Guest Professor at the University of Malardalen, Sweden (2014), and Visiting Researcher with the Department of Computer Engineering, Seoul National University, Korea (2000- 2001). In the year 2008 she was the recipient of the IEEE Industrial Electronics Society Early Career Award. She authored or coauthored more than 170 technical papers in the area of wireless sensor networks, automotive communications, industrial networks for Industry 4.0, and real-time embedded systems. She is responsible for the University of Catania of several international and national projects and research grants funded by companies. She is Senior member of the IEEE and the current Secretary of the IEEE Industrial Electronics Society.



Morgan Kiani

Morgan Kiani (S'05–M'05–SM'17) was born in 1972. She received the Master of Science and the Doctorate of Philosophy in electrical engineering with specialization on power systems and renewable energy sources from The University of Texas at Arlington in 2006 and 2009, respectively.

She is currently an Associate Professor in the engineering department at Texas Christian University. Her research interests include the field of modeling and analysis of energy converters, numerical methods in power system simulation, integration of distributed generators in smart grid, fault detection in wind farms, energy harvesting and energy diversification. Dr. Kiani has authored several scientific articles in peer reviewed journals and conference proceedings. She has a patent on active control of Doubly Fed Induction Generators (DFIG) used in wind energy harvesters.

Her research, scholarship, teaching and service in the engineering department at TCU, across IEEE Societies, IEEE Smart Village and other non-profit groups have allowed her to empower individuals to engage in activities that promote access to clean green energy and healthy living in other communities as well.

Driven by a desire to increase the visibility of woman in the STEM field, she is spearheading STEM initiatives across underrepresented students. She works to overcome gender and cultural barriers to get equality in the STEM field and to get resources that can help young people to learn about STEM fields and gain the confidence to set higher education and career goals.

Title: Frontiers in Power System & Energy Research



Jose Rodriguez

José Rodríguez (M'81-sM'94-F'10) received the Engineer degree in electrical engineering from the Universidad Tecnica Federico Santa Maria, in Valparaiso, Chile, in 1977 and the Dr.-Ing. degree in electrical engineering from the University of Erlangen, Erlangen, Germany, in 1985. He has been with the Department of Electronics Engineering, Universidad Tecnica Federico Santa Maria, since 1977, where he was a full professor and President. Since 2015 he is the President of Universidad Andres Bello in Santiago, Chile. He has co-authored two books, several book chapters, and more than 400 journal and conference papers. His main research interests include multilevel inverters, new converter topologies, control of power converters, and adjustable-speed drives. He has received a number of best paper awards from journals of the IEEE. Dr. Rodriguez is a member of the Chilean Academy of Engineering. In 2014 he received the National Award of Applied Sciences and Technology from the government of Chile. In 2015, he received the Eugene Mittelmann Award from the Industrial Electronics Society of the IEEE



Regina Roos

Regina Roos 30 years experience in Electro and Electronic Industry servicing the Energy Sector, Mineral & Mining Industry in Australia, Chile and South East Asia. Success Leader of Sales Organizations with annual sales revenue growth of 30% and more. Transformation of business units to international business partners by setting Global KeyAccount Management with leading 20 Account Managers and revenue growth of 20% and more Restructuring of Organizations. Digital Transformation of SMEs to gain international market, delivering and implement strategy to grow business from 10 Million Euro to 100 Million Euro in five years. Taking part in Executive Business Development Roles for over 15 years with people responsibility up to 100 people. Successful closing of contracts up to 200,000 Million Euro. Delivering and implementation of Strategy for SMEs to launch new products. Ability to develop performing teams based by delivering strategy. Strong intercultural experience in Asia, Australia and South America. Proven ability to develop performing teams.

Title: Beside Mobility and last Mile - Digital Assist for Senior Citizen



Reinaldo Tonkoski,

Reinaldo Tonkoski (IEEE Membership: S'04--M'11--SM'18) is the Harold C. Hohbach Endowed Professor in the Electrical Engineering and Computer Science Department, South Dakota State University, Brookings, USA. He received his B.A.Sc. degree in Control and Automation Engineering, in 2004 and his M.Sc. in Electrical Engineering in 2006 from PUC-RS (Pontifícia Universidade Católica do RS), Brazil, and, his Ph.D. in 2011 from Concordia University, Canada. He was with CanmetENERGY, Natural Resources Canada, from 2009-2010 where he worked on projects related to the grid integration of renewable energy sources and a Visiting Professor at Sandia National Laboratories from 2019-2020. Dr. Tonkoski has authored over one hundred technical publications in peer reviewed journals and conferences and is currently an Editor of IEEE Transactions on Sustainable Energy, and Associate Editor of IEEE Access and IEEE Systems Journal. His research interests include grid integration of sustainable energy technologies, power electronics and control systems.

Title: Trends in Dynamic Modeling of Converter Dominated Power Systems