

**Workshop on
Grid-Forming Inverters in Renewable Energy Systems
4-5 December 2024
Venue: Hilton Doha**

Time	Subject	Remark
9:00 – 10:00	Registration and Coffee	1 hr
Opening speech		
10:00 – 10:20	<p>Haitham Abu-Rub, Ph.D. Professor Hamad Bin Khalifa University, Qatar Texas A&M University at Qatar, Qatar</p> <p>Mounir Hamdi, Ph.D. Professor and Founding Dean of the College of Science and Engineering Hamad Bin Khalifa University, Qatar</p> <p>Patrik Linke, Ph.D. Professor and Executive Associate Dean Texas A&M University at Qatar, Qatar</p> <p>Santiago Bañales Lopez Managing Director Iberdrola Innovation Middle East</p>	20 mins
Day-1		
10:20 am – 11:00	<p>Invited Talk: Power-Electronics-Enabled Autonomous Power Systems: Next-Generation Smart Grids Chair: Sertac Bayhan, Ph.D.</p> <p>Qing-Chang Zhong, Ph.D. Professor Illinois Institute of Technology, USA</p>	40 mins
11:00 – 11:30	Break & Networking	30 mins

	Session 1: Fast and Slow Dynamic of Inverter-based Resources Chair: Abdellah Kouzou, Ph.D.	1 hr
11:30 – 12:30	Francisco Gonzales-Longatt, Ph.D. Senior Lecturer Loughborough University, UK Agustí Egea-Àlvarez, Ph.D. Professor, Strathclyde University, UK Network Operational Performance Manager at Scottish Power Energy Networks	
12:30 – 14:00	LUNCH	1.5 hr
14:00 – 15:30	Session 2: Control Strategies and Innovations for Grid-Forming Inverters Chair: Atif Iqbal, Ph.D.	1.5 hr
	Speakers: Irfan Khan, Ph.D. Assistant Professor Texas A&M University, USA Selma Awadallah, Ph.D. Assistant Professor Hamad Bin Khalifa University Ali Sharida, Ph.D. Postdoctoral Fellow Hamad Bin Khalifa University, Qatar	
Day-2		
9:00 – 10:00	Registration and Coffee	1 hr
10:00 – 12:00	Session 3: Dynamic Performance and Stability in Renewable Energy Integration Chair: Sertac Bayhan, Ph.D.	2 hr
	Speakers: Abdellah Kouzou, Ph.D. Professor Djelfa University, Algeria	

	<p>Mohammad Shadmand, Ph.D. Associate Professor University of Illinois Chicago, USA</p> <p>Anas Karaki, Ph.D. Postdoctoral Fellow Hamad Bin Khalifa University, Qatar</p>	
12:00 – 13:30	LUNCH	1.5 hr
13:30 – 14:30	<p>Session 4: Emerging Trends in Power Electronics for Sustainable Energy Systems Chair: Mohammad Shadmand, Ph.D.</p>	1 hr
	<p>Speakers:</p> <p>Abdulrahman Alassi, Ph.D. Power Systems Team Lead Iberdrola Innovation ME, Qatar</p> <p>Muhammad Farooq Umar Postdoctoral Fellow Texas A&M University at Qatar, Qatar</p>	
14:30 – 15:00	Closing & Discussion Session	0.5 hr