



SUSTAINABLE SMART CITY

9th December 2020

Online Conference Agenda

Time	Topic	Presenter(s)
06:00 pm – 06:15 pm (CAT) 10:00 am – 10:15 am (CDT) 05:00 pm – 05:15 pm (CET)	Welcome note	 Hady H. Fayek IEEE IES Egypt Chapter Chair Lecturer in Energy Engineering Program, Heliopolis University
Session 1 : Smart Cities Planning Moderator : Sara Rashad, Vice chair of IEEE/IES Egypt Chapter		
06:15 pm – 06:45 pm (CAT) 10:15 am – 10:45 am (CDT) 05:15 pm – 05:45 pm (CET)	How to be a good stakeholder while planning a Smart City	Architect. Larissa Paredes Muse  Larissa is an Architect and Urbanist with a master's degree in Urban Engineering, she developed a research that addressed the transformation in the street lighting sector in the context of Smart Cities, highlighting the Brazilian scenario. Larissa has been connected to multiple stakeholders of smart cities in Brazil, highlighting the collaboration with the Brazilian Ministry of Regional Development (former Ministry of Cities) in the elaboration of the Brazilian Directive for Smart Cities, she is also responsible for the Brazil-Atlanta relationship at the Brazilian Network for Smart and Human Cities. Currently, as the Marketing Committee Lead at the IEEE Smart Cities Community, she plays various roles including organizing conferences and being the vice-chair of the working group that is developing the IEEE Smart City Planning and Technology Guide Standard project P2784.
06:45 pm – 07:15 pm (CAT) 10:45 am – 11:15 am (CDT) 05:45 pm – 06:15 pm (CET)	Model Predictive Control of a Road Junction in smart cities	Dr. Francesco LIBERATI  Francesco Liberati (Member, IEEE) was born in Rome, Italy, in 1987. He received the master's degree (summa cum laude) and the Ph.D. degree in systems engineering from the University of Rome, La Sapienza, Rome, Italy, in 2011 and 2015, respectively. From 2012 to 2017, he was a Researcher and Project Manager in automatic control and smart grids with The Consortium for the Research in Automation and Telecommunication (CRAT), Rome, Italy. From 2015 to 2017, he was a Fixed-Term Researcher in automatic control with the eCampus University, Novedrate, Italy. In 2017 and 2018, he was a Project Manager with INEA, European Commission, Brussels, Belgium, managing smart grid and smart city H2020 research projects. He is currently a Researcher in automatic control with Sapienza University of Rome, Rome, Italy. His current research interests include model predictive control, smart grids, and critical infrastructure protection.
15 minutes Discussion		
Session 2 : Smart Grid Simulations and Optimization Moderators : Markus Makoschitz, IEEE PELS IES IAS Austrian Chapter Chair & Cristian Palacios, IEEE IES Guadalajara Chapter Chair		
07:30 pm – 08:00 pm (CAT) 11:30 am – 12:00 pm (CDT) 06:30 pm – 07:00 pm (CET)	Real-time simulation for smart grid and microgrid research and testing	Dr. Panos Kotsampopoulos  Kotsampopoulos received the Diploma in Electrical and Computer Engineering from the National Technical University of Athens (NTUA), Greece in 2010 and the PhD degree on distributed energy resources in 2017 from the same school. He also graduated from the School of Education of the National and Kapodistrian University of Athens in 2020. Since 2010 he has been working on research projects at the Smart RUE research group of NTUA, where he is currently a Senior Researcher. He was a guest researcher at the Austrian Institute of Technology AIT (Vienna) in 2012 and 2013. He has participated in several European research projects as principal investigator for ICCS-NTUA and in national projects with PPC/HEDNO. He is responsible for the development of the laboratory infrastructure of the Electric Energy Systems Laboratory of NTUA. He is chair of the IEEE PES Task Force "Innovative teaching methods for modern power and energy systems" and active member of the IEEE PES Task Force on "Real-Time Simulation of Power and Energy Systems", the IEEE WG P2004 "Recommended Practice for Hardware-in-the-Loop Simulation Based Testing of Electric Power Apparatus and Controls" (chapter co-leader) and member of other Task Forces and Working Groups. He is Editor of the "IEEE Open Access Journal of Power and Energy" and member of the Editorial Board of the journal "Energies". He is Guest Editor of the Special Issue "Advancements in Real-Time Simulation of Power and Energy Systems" of the journal "Energies". He is chair of the IEEE Young Professionals Greece and co-founder of the energy community/cooperative "Collective Energy". He is Senior Member of IEEE and member of the Technical Chamber of Greece.



Platform: The Open Innovation Platform of the State of Jalisco, Mexico.



Date: 9th December 2020.



Time: 06:00 pm – 10:00 pm (CAT) OR (GMT+2)
: 10:00 am – 02:00 pm (CDT) OR (GMT-6)
: 05:00 pm – 09:00 pm (CET) OR (GMT+1)

<div>08:00 pm – 08:30 pm (CAT)</div> <div>12:00 pm – 12:30 pm (CDT)</div> <div>07:00 pm – 07:30 pm (CET)</div>	<div>Distributed Parallel Optimization of Residential Prosumers in Sustainable Smart Cities</div>	<div>Prof. Pierluigi Siano</div> <div><div>Pierluigi Siano (M' 09–SM'14) received the M.Sc. degree in electronic engineering and the Ph.D. degree in information and electrical engineering from the University of Salerno, Salerno, Italy, in 2001 and 2006, respectively. He is a Professor and Scientific Director of the Smart Grids and Smart Cities Laboratory with the Department of Management & Innovation Systems, University of Salerno. His research activities are centered on demand response, on energy management, on the integration of distributed energy resources in smart grids, on electricity markets and on planning and management of power systems. In these research fields he has co-authored more than 500 articles including more than 300 international journal papers that received in Scopus more than 9700 citations with an H-index equal to 49. In 2019 and 2020 he received the award as Highly cited Researcher by ISI Web of Science Group. He has been the Chair of the IES TC on Smart Grids. He is Editor for the Power & Energy Society Section of IEEE Access, IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Open Journal of the IEEE IES, IET Smart Grid and IET Renewable Power Generation.</div></div>
<div>15 minutes Discussion</div>		
<div>Session 3 : Water Energy Food Nexus for Sustainable Cities</div> <div>Moderator : Stefan Leitnar, Vice Chair of IEEE PELS IES IAS Austrian Chapter</div>		
<div>08:45 pm – 09:15 pm (CAT)</div> <div>12:45 pm – 01:15 pm (CDT)</div> <div>07:45 pm – 08:15 pm (CET)</div>	<div>Understanding Water-Energy-Food Nexus Hotspots: Holistic Multi-faceted Assessments with Localized Solutions</div>	<div>Dr. Bassel Daher</div> <div><div>Bassel Daher, Ph.D. is an Assistant Research Scientist at the Texas A&M Energy Institute, where he leads its Convergence Research Incubator. Daher is also a Research Fellow at the Institute for Science, Technology & Public Policy (ISTPP) of The Bush School of Government and Public Service and an Adjunct Assistant Professor at the Department of Biological and Agricultural Engineering. Daher is passionate about building bridges between research disciplines and cross sectoral stakeholders with the goal of arriving to a future that is more sustainable, equitable, and resource secure for all. Daher's research focuses on developing tools to catalyze evidence-based multi-stakeholder dialogue around the trade-offs associated with technological, policy, and social interventions for addressing the interconnected water, energy, and food (WEF) security challenges. He is particularly interested in bridging natural and social sciences methodologies, with the goal of unlocking new potential to address these interconnected WEF challenges. Daher focuses on doing so guided by circular economy principles and in the context of implementing the Sustainable Development Goals (SDGs).</div></div>
<div>15 minutes Discussion</div>		
<div>09:30 pm – 10:00 pm (CAT)</div> <div>01:30 pm – 02:00 pm (CDT)</div> <div>08:30 pm – 09:00 pm (CET)</div>	<div>Panel Discussion on all Topics</div>	
<div>Suggestions and Closing</div>		