

2 December 2019, Monday

Pre-Event Activities

9:00	12:00	QEERI visits			Corrosion in Oil and Gas a way to sustainability Full day workshop		
					Welcome notes: Dr. Hanan Farhat , Senior Research Director, Corrosion Center, QEERI		
					"The use of Corrosion Resistant Alloys to mitigate corrosion in the oil and gas industry" Dr. Roy Johnsen, Norwegian University of Science and Technology – NTNU, Norway		
					"Corrosion Management Processes -Supporting Sustainability by Protecting Asset Integrity" Bruce Cowe, Total, France		
					Coffee Break		
					"Statistical Control of Corrosion Inhibition in Oil and Gas Processing" Dr. Bruce Palmer		
					"Understanding the hydrogen embrittlement: A key enabling knowledge for the hydrogen economy" Dr. Afrooz Barnoush, Norwegian University of Science and Technology – NTNU, Norway		
					"Latest Understanding of Stress Corrosion Cracking in Oil and Gas Industry and its Mitigation Strategies" Dr. Weixing Chen, University of Alberta, Canada		
12:30	15:30	Women in EWE Nexus Network	Solar PV for Desert Climates. Sponsored by Nebras Power	China-Qatar event	"A holistic approach to prevent, predict, and mitigate corrosion under insulation" Dr. Mariano Lannuzzi, University of Curtin, Australia		
		Chair: Dr. Veronica Bermudez	Chair: Dr. Cedric Broussillou. Keynote: Dr. Pierre Verlinden	Information & Technology Exchange	"Corrosion Evaluation of Alloys Tested at a Seawater Site" Dr. Richard Griffin, Texas A & M University, USA		
		Panel discussion: Unlocking Women's Potential for a Sustainable Development	Panel discussion: Christian Hagendorf (Fraunhofer CSP), Max Koentopp (Hanwa Q-cells), Martin Sanders (TOTAL), Nebras Power, Trina, DSM		Panel Discussion		
					Closing Remarks		
16:00	18:30	Young Innovator Competition (in Collaboration with Kahramaa-Tarsheed & Ministry of Education)			Qatar Research Opportunities		
					Research Outcome Seminar: "Environmental Sustainability"		
					Dr. Abdul Sattar Al-Taie	Welcome address	
					Dr. Omar F. Boukhris	Introduction	
					Dr. Yousef Alhorr	NPRP 7 - 344 - 2 – 146: Developing Green Building Guidelines for Occupant Productivity, Wellbeing and Behavioural Change: A BIM based Design Planning Approach	
					Dr.Eng. Mohammed bin Saif Al-Kuwari	NPRP 4 - 188 - 2 – 061: Innovative use of recycled materials in construction	
					Prof. Ilham Al-Qaradawi	NPRP 5 - 715 - 1 - 122: "ENERGY CITY" - Fostering Scientific Curiosity through Strengthening Teachers' and Students' Understandings of Energy and Inquiry	
					Professor Hazim Qiblawey	NPRP 4 - 935 - 2 – 354: An assessment of present and future environmental impacts of major desalination plants in Qatar under changing climate	
Concluding remarks							

3 December 2019, Tuesday

Opening Day

7:30	8:30	Welcome & Registration	
8:30	11:00	Opening Ceremony begins	MC
		Keynote Speech	HE Eissa Al Kuwari, President, Kahramaa
		Welcome Address	Dr Marc Vermeersch, Executive Director, QEERI
		Conference Intro	Dr. Veronica Bermudez, Conference Chair, SRD QEERI
		Keynote Speech	Awaiting Final Confirmation
11:00	11:30	Coffee Break	
11:30	12:30	Panel Discussion: Opportunities & Challenges within EWE Nexus in Qatar Moderated by Dr Richard O'Kennedy, VP RDI, QF	
12:30	13:00	Transforming Qatar into a Sustainable hub: World Cup and sustainability: Supreme Committee for Delivery and Legacy	
13:00	14:00	Lunch Break	
14:00	14:30	Energy industry in sustainably energy Mr. Alistair Routeledge, President & General Manager, ExxonMobil Qatar	
14:30	15:00	Water Security and Environment: Qatar University	
15:00	15:30	Social impact of sustainable development	
15:30	16:00	Opening of the exhibition	
16:00	17:00	Coffee + Exhibition & Networking	
18:30	Welcome Dinner and Reception Sponsored & hosted by Sheikh Faisal Foundation		

4 December 2019, Wednesday Developing Sustainable Cities

7:30	8:00			
8:00	9:30	Plenary Session: SDG Implementation Strategies for the Arid Region: Research and Technologies		
		Keynote Address: Awaiting Final Confirmation		
		Panel Discussion: SDG Implementation Strategies for the Arid Region: Research and Technologies (How Climate change R&T addresses the implementation of SDGs Strategies How Integrated water resource management (IWRM) could Addresses the implementation of SDGs Strategies How renewable energy will be pivotal to achieve SDGs How to bridge across the air quality, water management and renewable energy R&T to achieve SDGs) Representatives from UNESCO, UNEP, GGGI, SCDL, among others		
9:30	10:00	Coffee Break		
10:00	12:45	WATER	ENERGY	ENVIRONMENT
		Water Resources Management in Arid Regions	Opportunities in decentralized energy	Climate Change & Public Health
		Keynote: Dr. Vincent Tidwell , (Sandia Laboratories, USA) Invited Speaker: Professor Gordon McKay , (Hamad Bin Khalifa University, Qatar) Technical Presentations from Submissions	Keynote: Dr. Alberto Troccoli (World Energy and Meteorology Council) Invited: Dr. Santiago Banales (Iberdrola) Technical papers from submissions	Keynote: Awaiting final confirmation Invited: Awaiting final confirmation Technical papers from submissions
12:45	13:55	Lunch and Exhibition		
13:55	16:00	WATER	ENERGY	ENVIRONMENT
		Water Scarcity & Food Security: Challenges and Opportunities	Energy Efficiency in building environment	Defining Sustainability in Challenging Environments
		Invited Speaker: Prof. Xiwang Zhang (Monash University, Australia) Technical Presentations from Submissions	Invited Speaker: Prof. Jorge Gonzalez. (NOAA Crest, City College of New York, USA) Technical Presentations from Submissions	Keynote: Awaiting final confirmation Invited: Awaiting final confirmation Technical papers from submissions
		Exhibition		

Exhibition & Posters

5 December 2019, Thursday Megatrends in the EWE Nexus

7:30	8:00	Breakfast & Networking		
8:00	9:30	Plenary Session: Innovative strategies for Sustainable Industry		
		Keynote Address: Awaiting Final confirmation Panel Discussion: Innovative strategies for a sustainable industry transformation Innovative strategies for sustainable industry transformation (How can the oil & gas industry provide sustainability in industrial development? How can the oil & gas and renewable energy industries can act in concertation to create a circular economy? How can the water treatment in the industry provide sustainability?) Representatives from Kahramaa,QP, Nebras Power & Avantium among others		
9:40	12:00	WATER	ENERGY	ENVIRONMENT
		Innovative Material and Technologies for Water Treatment and Water Desalination Keynote: Dr Navid Saleh, (University of Texas at Austin, USA) Invited Speaker: Prof. Darren Sun (Nanyang Technological University, Singapore) Technical Presentations from Submissions	Sustainable Oil and Gas Industry Keynote: Prof. Matthias Beller (Leibnez) Invited Speaker: Awaiting final confirmation Technical Presentations from Submissions	Air and Water Quality Challenges in a Changing Climate Keynote: Awaiting final confirmation Invited: Awaiting final confirmation Technical papers from submissions
12:00	12:20	Coffee Break		
12:20	13:45	Panel Discussion: "Implementing a policy framework to support sustainable development through the Water-Energy-Environment NEXUS" (Which policies can be most effective in promoting sustainable development through the elimination of waste and the continual use of resources? What are the interdependencies across these policies and how do they affect sustainable development? Who is responsible for designing, implementing, and enforcing a policy framework for sustainable development? What is the role of government, NGOs, industry and private citizens?) Representatives from QP, QFC, KM, Al-Attiyah Foundation, and others		
13:45	14:00	Closing remarks		
14:00	22:00	Sunset desert trip with dinner		

Exhibition & Posters