

2017 International Workshop on Electromechanical Coupling

Preliminary Program

Time	Events	Speaker	Chair	Location
July 3, 2017				
08:30~08:40	Workshop Opening Ceremony		Prof. Jin Huang	Multifunction Room (20 th floor) Ziction Liberal Hotel
08:40~09:25	Invited Report 1: The Art, Science and Engineering of Modern Antenna Measurements and Diagnostics: <i>From Marconi's first Measurements to Today's Amazing Advances</i>	Prof. Yahya Rahmat-Samii	Prof. Baoyan Duan	
09:25~10:10	Invited Report 2: Different Realizations of Gap Waveguides and Their Applications	Prof. Ahmed A. Kishk		
10:10~10:30	Workshop Photo			
10:30~11:15	Invited Report 3: Deployment Study of a Tetrahedral Truss Reflector	Prof. Houfei Fang	Prof. Yahya Rahmat-Samii	
11:15~12:00	Invited Report 4: On New Developments of Space Solar Power Station (SSPS) of China	Prof. Baoyan Duan		
13:30~14:15	Invited Report 5: An Overview of Research and Development in the Area of Semiconductors and Electronic Systems at SUNY Polytechnic Institute	Prof. Bahgat G. Sammakia	Prof. Ahmed A. Kishk	
14:15~15:00	Invited Report 6: Conductor Surface Roughness Effect Consideration in mm Wave Antenna and Waveguide Designs	Prof. Duixian Liu		
15:00~15:45	Invited Report 7: Nanoengineered Surfaces from Superhydrophilicity to Superoleophobicity	Prof. Woonbong Hwang		

15:45~16:00	Coffee Break			
16:00~16:45	Invited Report 8: Conformal Load-bearing Smart Skins (CLSS)	Prof. Kamran Ghorbani	Prof. Bahgat G. Sammakia	
16:45~17:30	Invited Report 9: In-Band Full Duplex: How It Can Work	Prof. Yueping Zhang		
July 4, 2017				
08:30~09:15	Invited Report 10: State-of-the-art Antenna Design at KU Leuven, Belgium	Prof. Guy A. E. Vandebosch	Prof. Duixian Liu	Multifunction Room (20 th floor)
09:15~10:00	Invited Report 11: Reconfigurable Robotic Systems and Applications	Prof. Dan Zhang		
10:00~10:15	Coffee Break			
10:15~11:00	Invited Report 12: Coupled Structural-Electromagnetic Design of Large High-Frequency Radio QiTai Telescope (QTT) Antenna and Its Application	Prof. Congsi Wang	Prof. Guy Vandebosch	
11:00~11:45	Invited Report 13: Reducing Auxiliary Energy Consumption of Heavy Trucks by Real-time MPC	Assoc. Prof. Lei Feng		
13:30~14:00	Young Researcher's Report 1: Electro-mechanical Coupling Analysis Model and Integrated Design of Radomes	Assoc. Prof. Peng Li	Prof. Woonbong Hwang	Multifunction Room (20 th floor)
14:00~14:30	Young Researcher's Report 2: Mechanism Issues in Novel Antenna Mount	Assoc. Prof. Xuechao Duan		
14:30~15:00	Young Researcher's Report 3: Effect of the Surface Roughness on Electrical Properties of High Performance Microwave Electronic Equipment	Assoc. Prof. Na Li		
15:00~15:30	Coffee Break			
15:30~17:00	Panel Discussion: New Opportunities and Challenges of Electromechanical Coupling Research		Prof. Yueping Zhang	