

Program for EMN Dubai Meeting		
November 14-15, 2016		
Monday November 14		
Room A		
Session: Vacuum Electronics & Terahertz		Chair: Takehiro Imura
9:30-9:55	A01: High-brightness Continuously-tunable Sub-terahertz wave Source	Shin'ichiro Hayashi National Institute of Information and Communications Technology, Japan
9:55-10:20	A02: Beam shaping of THz radiation	Agnieszka Siemion Warsaw University of Technology, Poland
10:20-10:40	Session Break	
10:40-11:05	A03: Theory and Simulations of a Traveling Wave Tube Using Sheet Beam or Ring-shaped Beam for Terahertz Wave Generation	Jirun Luo Chinese Academy of Sciences, China
11:05-11:30	A04: Miniaturized analyzers utilizing pyroelectric crystal	Susumu Imashuku Tohoku University, Japan
12:00	Lunch Break	
Session: Technologies		Chair: Jirun Luo
14:35-15:00	A05: Comparison of Four Circuit Topologies of Magnetic Coupling Using Resonance in Wireless Power Transfer	Takehiro Imura The University of Tokyo, Japan
15:00-15:25	A06: Effect of tapering the magnetic field on whistler pumped free electron laser	Manish Kumar IIT (BHU), India
15:25-15:50	A07: Biochemical Applications of Metallo-Supramolecular Polymers	Masayoshi Higuchi National Institute for Materials Science, Japan
15:50-16:10	Session Break	
16:10-16:35	A08: Novel Properties of Bacterial Flagellar Motor Revealed by Analyses of Motile Pseudorevertants	Kenji Oosawa Gunma University, Japan
16:35-17:00	A09: Photoelectron Work Function Measurements of Silver Based Contact Materials Using the Fowler Formula	Mohamed Akbi National Preparatory School for Engineering Studies, Algeria
17:30	Dinner Social	

Tuesday November 15		
Room A		
Session: Nonlinear Optics Chair: Marcin Kowalczyk		
9:30-9:55	A10: Single Blood cell imaging by lens free chip microscopy	Rainer Riesenber Leibniz Institute of Photonic Technology, Germany
9:55-10:20	A11: Design of Silica Optical Fibers with Enlarged Core Diameter for Few-Mode Applications of Laser-Based Data Transmission	Anton Bourdine Povolzhskiy State University of Telecommunications and Informatics (PSUTI), Russia
10:20-10:45	A12: Offset-Frequency-Spaced Two-Tone Optical Coherent Detection Scheme of Radio-over-Fiber Signal and Its Polarization Diversity Technique	Toshiaki Kuri National Institute of Information and Communications Technology, Japan
10:45-11:05	Session Break	
11:05-11:30	A13: Non-Unitary Effects Mitigation for Few-Mode Fiber Transmission Systems	El-Mehdi Amhoud Université Paris-Saclay, France
11:30-11:55	A14: Synchronized Pulse Optical Cavities and their Applications in Nonlinear and Quantum Optics	Bhaskar Kanseri Indian Institute of Technology Delhi, India
12:00	Lunch Break	
Session: Optical Wireless Communications Chair: Anton Bourdine		
14:35-15:00	A15: Possibility of application the MIMO technique in VLC systems	Marcin Kowalczyk Warsaw University of Technology, Poland
15:00-15:25	A16: Uplink Design for VLC systems Employing Infrared Wireless Links	Mohammed T. Alresheedi King Saud University, Kingdom of Saudi Arabia
15:25-15:50	A17: First in-orbit verification of space laser communications for micro-satellites and LEO-to-ground polarization measurements at 1.5- μ m wavelength	Morio Toyoshima National Institute of Information and Communications Technology (NICT), Japan
15:50-16:10	Session Break	
16:10-16:35	A18: Digital Signal Processing in Optical Inter Satellite Link Receivers	Semjon Schaefer Christian-Albrechts-Universität zu Kiel, Germany
16:35-17:00	A19: Microresonator based Kerr frequency combs: from chaos to solitons	Michael Gorodetsky Lomonosov Moscow State University, Russia
17:30	Dinner Social	

