

Detailed Meeting Program for 2017 EMN Bangkok Meeting

*** (including EMN Meeting on Spintronics, EMN Meeting on Flexible Electronics and EMN Meeting on Colloid and Interface)*

From Nov 12-16, 2017 in Bangkok, Thailand

Sunday Afternoon, 12th November		
15:00-17:30	Onsite Registration & Sign up	
Monday Morning, 13th November Room A		
09:00-09:05	Opening	
Session: Spintronics I Chair: HaeDo Jeong		
09:05-09:30	A01: Manipulation of magnetization by spin-orbit field in crystalline ferromagnetic films and their heterostructures	Sanghoon Lee Korea University, Korea
09:30-09:55	A02: Formation of Persistent Spin Helices in Semiconductor Quantum Wells with an Arbitrary Growth Direction	Anton Konakov Lobachevsky University, Russia
09:55-10:20	A03: A realistic topological p-n junction at the Bi ₂ Se ₃ (0001) surface based on planar twin boundary defects	Jorge Iribas Cerda CSIC, Spain
10:20-10:40	Session Break	
Session: Flexible Electronics I Chair: Sanghoon Lee		
10:40-11:05	A04: CMP process and equipment for flexible electronics	HaeDo Jeong Pusan National University, Korea

11:05-11:30	A05: Unwearables: new wearable sensors and circuits for unobtrusive health and fitness monitoring	Patrick Mercier University of California, USA
11:30-11:55	A06: Surface Durability Enhancement of Flexible Polymeric Components	Dae-Eun Kim Yonsei University, Korea
11:55-12:20	A07: Microwave flexible devices for wireless communications	Yuehang Xu University of Electronic Science and Technology of China, China
12:20-14:00	Lunch Break	

**Tuesday Morning, 14th November
Room A**

Session: Flexible Electronics II

Chair: Beongki Cho

09:00-09:25	A08: Metal Nanowire Percolation Network Based Flexible Electronics	Seung Hwan Ko Seoul National University, South Korea
09:25-09:50	A09: Fabrication Technique and Structure Concept of Polycrystal Silver Nanowire Transparent Conductive films by Organic Precursor Painting Reduction Method	Yamato Hayashi Tohoku university, Japan
09:50-10:15	A10: Flexible Indium based Oxide Semiconductor Thin Film Transistors using Atomic Layer Deposition: Device and Evaluation	Jin-Seong Park Hanyang University, South Korea
10:15-10:40	A11: Reliability of electrode patterning according to the blending of nanoparticle	Hu Seung Lee Chungnam National University, Korea

10:40-11:00

Poster Session & Session Break

Session: Spintronics II

Chair: Seung Hwan Ko

11:00-11:25	A12: Spin-orbit torque switching in an interlayer coupled junction with Ta space layer	Beongki Cho Gwangju Institute of Science and Technology (GIST), Korea
11:25-11:50	A13: Magnetoresistance devices with highly spin polarized materials	Nobuki Tezuka Tohoku University, Japan
11:50-12:15	A14: Spin and isospin response of many-nucleon systems	Yoritaka Iwata Tokyo Institute of Technology, Japan

12:15-14:00

Lunch Break

POSTER

Tuesday, 14th November 10:40-11:00AM

P01	Nanogap-Rich Au Nanowire SERS Sensor for Ultrasensitive Telomerase Activity Detection: Application to Gastric and Breast Cancer Tissues Diagnosis	Taejoon Kang Korea Research Institute of Bioscience & Biotechnology(KRIBB), Korea
-----	---	---

P02	Fabrication of $\text{Co}_2\text{Fe}(\text{Al},\text{Si})$ and $\text{Co}_2\text{Fe}(\text{Al},\text{Si})/\text{MgO}$ on $\text{Ge}(111)$ Substrate and its Magnetic Properties	Kohei Kataoka Tohoku University Graduate School of Engineering, Japan
-----	---	--

**Wednesday Morning, 15th November
Room A**

Session: Colloid and Interface

Chair: Yusuke Tsuda

08:30-08:55	A15: Fabrication and Characterization of a Novel Self-assembling Micelle Based on Chitosan Cross-Linked Pectin-doxorubicin Conjugates Macromolecular Pro-drug for Sustained Release Drug	Cuiyun Yu University of South China, China
08:55-09:20	A16: 3D Assembly of 2D Materials	Marcus A. Worsley Lawrence Livermore National Laboratory, USA

Session: Spintronics III

Chair: Cuiyun Yu

09:20-09:45	A17: Spin wave modes in ferromagnetic nano-disks, their excitation and auto-oscillations	Rodrigo Arias Universidad de Chile, Chile
09:45-10:10	A18: Pump-orientation-probe technique and its application in monitoring charge-separation dynamics in colloidal CdS quantum dots	Donghai Feng East China Normal University, China

10:10-10:25

Session Break

Session: Flexible Electronics III

Chair: Donghai Feng

10:25-10:50	A19: Surface Wettability Controllable Polyimides by UV Light Irradiation for Printed Electronics	Yusuke Tsuda Kurume National College of Technology, Japan
10:50-11:15	A20: Geometrical design concept for flexible and wearable devices	In-Suk Choi Korea Institute of Science and Technology, Korea
11:15-11:40	A21: Shear force sensor based on flexible electrode film	Shigeru Toyama National Rehabilitation Center for Persons with Disabilities, Japan
11:40-12:05	A22: Multi-pulsed Flash light sintered pattern on low-cost flexible substrate using 1-Octanethiol-coated copper nano-ink via inkjet printing technology	Yeon Ho Son Hanyang University, Korea
12:05-12:30	A23: Flexible and Curved Surface Electronics by Solvent-Free Printing	Masatoshi Sakai Chiba University, Japan

12:30-14:00

Lunch Break

Thursday, 16th November

One Day Academic Exchange & Excursion