



International Symposium for Celebrating the 80th Anniversary of Hanyang University

“Frontiers of Translational Materials Science”

17-18 May 2019

*Paiknam Academic Information Center and Library
Hanyang University, Seoul, Korea*

Hosts:

Hanyang University, Korea
Asian Research Network Korea, Korea

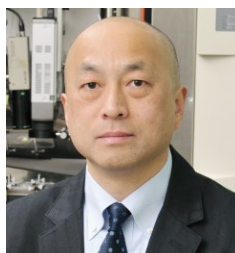
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Korea Center for Artificial Photosynthesis, Sogang University
Korea Nanotechnology Research Society
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Co-Chairs:



Dr. Haiwon LEE
Hanyang University



Dr. Masahiko HARA
Tokyo Institute of Technology



Dr. Minghua LIU
CAS Institute of Chemistry

Secretary General:



Dr. Seok Hoon AHN
Senior Researcher, Korea Institute of Science and Technology
Associate Professor, University of Science and Technology
<https://jb.kist.re.kr>

Speakers:



Dr. Taeghwan HYEON
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Director, Center for Nanoparticle Research, Institute for Basic
Science (IBS), SNU
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Dr. Young Soo KANG

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Dr. Nam-Gyu PARK

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Dr. Yang-Kook SUN

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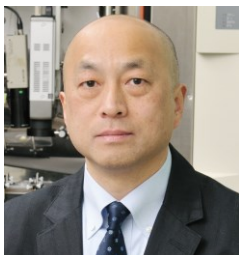
<http://escml.hanyang.ac.kr/new/>



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Dr. Masahiko HARA (JAPAN)

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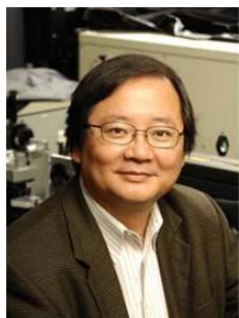
<https://ampb.larc.nasa.gov/cheol-park/>



Dr. Paul WEISS (USA)

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Professor, National Center for Nano Science and Technology

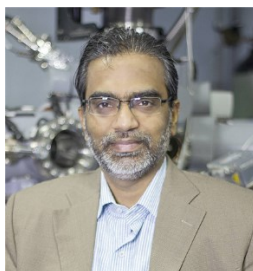
<http://liumh.iccas.ac.cn/english>



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Program

“Frontiers of Translational Materials Science”

17-18 May 2019

**Paiknam Academic Information Center and Library
Hanyang University, Seoul, Korea**

Friday, May 17		
Time	Speaker	Title of Talk
08:30	Registration	
Session Moderator: Daewon SOHN (Hanyang University)		
09:00	Masahiko HARA Tokyo Institute of Technology	Opening Remark
09:05	Haiwon LEE Hanyang University	Welcome Remark
09:10		Congratulatory Remarks Dr. Duck-kyun CHOI , Vice President of Hanyang University Dr. Yung Bog CHAE , Chairman of ARN Korea Dr. Kohei TAMAO , President of TOYOTA RIKEN Dr. Sang-il PARK , Chairman and CEO, Park Systems Corp.
09:30	Paul WEISS UCLA	Keynote Lecture #1: New Dimensions in Patterning: Placement and Metrology of Chemical Functionality at All Scales
10:00	InTaek HAN Samsung Electronics	Keynote Lecture #2: Challenges for the Commercialization of Electronic Materials: Purity and Scalability

10:30	Photo & Coffee Break	
Session Moderator: Minghua LIU (NCNTC)		
10:50	Zhongfan LIU BGI/Peking University	Keynote Lecture #3: CVD Graphene: Scalable Growth and Beyond
11:20	Young Hee LEE IBS/SKKU	Keynote Lecture #4: Exploring Van der Waals Layered Materials for Physics and Devices
11:50	Taeghwan HYEON IBS/SNU	Keynote Lecture #5: Design and Synthesis of Inorganic Nanomaterials for Medical Applications
12:20	Lunch	

Session Moderator: Young Mee JUNG (Kangwon National University)		
13:30	Jong Ku PARK Nano-Convergence Foundation	Keynote Lecture #6: Retracing the R&D Processes from the Point of Commercialization
14:00	Yang-Kook SUN Hanyang University	Keynote Lecture #7: Advanced Cathode Materials for Next-Generation Electric Vehicles
14:30	Cheol PARK NASA Langley Research Center	Invited Lecture #1: Boron Nitride Nanotube (BNNT) and BNNT Composites: Overview
14:55	Nam-Gyu PARK SKKU	Invited Lecture #2: Unprecedented Success in Perovskite Photovoltaics and Opto-Electronics
15:20	Coffee Break	
Session Moderator: Youngjong KANG (Hanyang University)		
15:35	Choong-Shik YOO Washington State University	Keynote Lecture #8: High Energy Density Solids
16:05	Thalappil PRADEEP IIT Madras	Keynote Lecture #9: Isotopic Exchange in Nanoparticles
16:35	Seon Jeong KIM Hanyang University	Invited Lecture #3: Energy Harvesting from Artificial Muscle
17:00	Dong-Pyo KIM POSTECH	Invited Lecture #4: Advances in Continuo-Flow Microreaction Technology
17:25	Jong-Man KIM Hanyang University	Invited Lecture #5: Stimulus-responsive Conjugated Polymer Nanotubes
17:50	Haiwon LEE Hanyang University	Closing Remark
19:00	Dinner	

Saturday, May 18		
Time	Speaker	Title of Talk
08:30	Registration	
Session Moderator: Jaegeun NOH (Hanyang University)		
09:00	Joon Won PARK POSTECH	Keynote Lecture #10: Sensitive Quantification of Biomarkers with Atomic Force Microscopy
09:30	Masahiko HARA Tokyo Inst. Tech.	Invited Lecture #6: Nano-Spectroscopic Approaches to the Chemical Origins of Life
09:55	Nam-Joon CHO Nanyang Tech. Univ.	Invited Lecture #7: Combating Neglected Infectious Diseases by Engineering Approach
10:20	Coffee Break	
Session Moderator: Seunghyun LEE (Gachon University)		
10:35	Eunkyong KIM Yonsei University	Key Lecture #11: Charge Balanced Conjugated Polymer Electrodes for Energy Saving Smart Windows
11:05	Minghua LIU Institute of Chemistry	Invited Lecture #8: Design and Assembly of Supramolecular Gel for Circularly Polarized Luminescent Materials
11:30	Young Soo KANG Sogang University	Invited Lecture #9: Artificial Photosynthesis of CO ₂ Reduction into Liquid Fuels
11:55	Myung Mo SUNG Hanyang University	Invited Lecture #10: Thin Film Encapsulation
12:20	Sung-Kyong KIM LG Chem	Invited Lecture #11: MOF Catalyst for CO ₂ Plastic Polymerization
12:45	Minghua LIU Institute of Chemistry	Closing Remark
12:50	Adjournment	

Registration

Online registration is required for free entry before **May 10**.

Web site:

https://docs.google.com/forms/d/e/1FAIpQLSekBoK2WJzIxqUpMeuBLAvTBiBNfCeQyQhDovtluYSnrjO6Sw/viewform?usp=sf_link

Free Service of AFM Measurements for Participants' Samples

Park Systems will have Live Demonstration with customer samples at the conference site. Anyone who brings one sample between 1:30 pm and 5 pm (Friday, May 17), Park Systems will take AFM images of samples for maximum 10 customers. First come, first served. Bring your USB for saving your image data.

Park Systems: www.parksystems.com

❑ Venue and Campus Map

Conference: Paiknam Academic Information Center and Library (Building # 501), Hanyang University, Seoul

Map and Directions: <https://www.hanyang.ac.kr/web/eng/campus-map-directions>

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Park Systems: www.parksystems.com

❑ Welcome Dinner, Conference Lunch & Dinner (Invitation only)

Welcome Dinner: 7 pm - 8:30 pm, May 16 (Thursday)

Restaurant Name: Nampomyeonok

Web site <https://guide.michelin.co.kr/ko/restaurant/nampo-myeonok/>

Conference Dinner: 7 pm - 9 pm, May 17 (Friday)

Restaurant Name: Philkyungjae

Web site: www.philkyungjae.co.kr/rain

Conference Lunch: May 17, 18 (Friday & Saturday) (Building # 701)

Restaurant Name: Byeok-Je Kalbi Hanyang University Store

Web site: <https://www.bjgalbi.com/brand/brand1?pt=gallery&mt=01>

❑ Secretariat

Secretary General

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