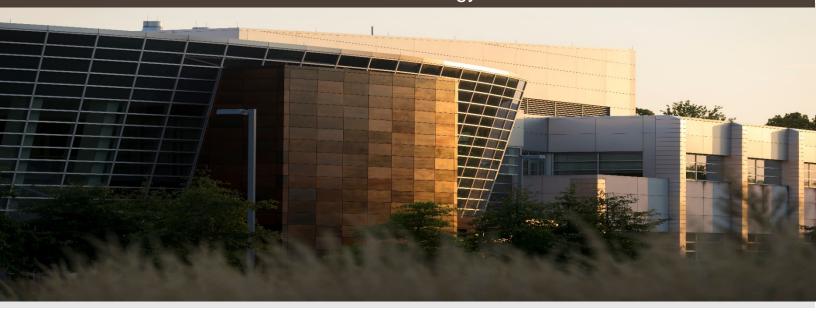


Birck Nanotechnology Center



JSPS Core-to Core Sanken Program Purdue University and Osaka University

Thursday, June 22, 2017 10:00 – 3:00 PM Birck Nanotechnology Center, Room 1001

Seminar for Sensing Technology by Nano Materials

10:00-10:10 AM	"Welcome" David Janes, Professor Purdue Univ. and Kazuhiko Matsumoto, Osaka Univ.
10:10-10:50 AM	"Nanomagnet Networks as Building Blocks for Ising Computing" by: Zhihong Chen, Purdue Univ.
	"Quantum Device and Spin Control" by: Akira Oiwa, Osaka Univ.
10:50-11:30 AM	"VO2 Oxide Material and Device" by: Hidekazu Tanaka, Osaka Univ.
	"2D Materials for Electronics and Optoelectronics" by: Joerg Appenzeller, Purdue Univ.
11:30-12:30 PM	Lunch and networking
12:30-1:50 PM	"Pathogen Detection using Graphene with Microreactor" by: Takao Ono, Osaka Univ.
	"Graphene-wrapped Microparticles for Viral Detection" by: Lia Stanciu, Purdue Univ.
	"Microfluidic and Paperfluidic Nucleic Acid-based Biosensors" By: Jacqueline Linnes, Purdue Univ.
	"Virus Detection by Graphene FET" by: Kazuhiko Matsumoto, Osaka Univ.
1:50-2:20 PM	Networking break
2:20-3:05 PM	"Implantable Senors and Actuators for Neurological Applications" by: Hyowon (Hugh) Lee, Purdue Univ.
	"Brain Wave Measurement System" by: Takafumi Uemura, Osaka Univ.
3:00-3:05 PM	Concluding remarks David Janes, Purdue Univ.





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The Institute of Scientific and Industrial Research at Osaka University, Osaka, Japan



Kazuhiko Matsumoto Professor



Hidekazu Tanaka Professor



Akira Oiwa Professor



Takafumi Uemura Specially-appointed Associate Professor



Ono Takao Professor

Purdue University

Electrical and Computer Engineering, Biomedical Engineering, and Materials Engineering



David Janes Professor



Zhihong Chen Professor



Joerg Appenzeller Professor



Lia Stanciu Professor



Jacqueline Linnes
Assistant Professor



Hyowon (Hugh) Lee Assistant Professor