



JSPS Core-to-Core SANKEN Program, Purdue Seminar "Seminar for Sensing Technology by Nano Materials"

the Birck Nanotechnology Center,1205 W State Street, West Lafayette, IN 47907 (the Birck Center is at the west end of Purdue's campus)

School of Electrical and Computer Engineering, Purdue University, West Lafayette, Indiana, USA

Agenda on June 22(Thursday), 2017

Time line	Presentation title	Speaker		Affiliation
10:00-10:10	Welcome word	David Janes	Professor	Purdue Univ.
	Welcome word	Kazuhiko Matsumoto	Professor	Osaka Univ.
10:10-10:50	Presentations am-1 : Spintronics			
20min	Nanomagnet networks as building blocks for Ising	Zhihong Chen	Professor	ECE
	computing			Purdue Univ.
20min	Quantum device and spin control	Akira Oiwa	Professor	Osaka Univ.
10:50-11:30	Presentations am-2 : Materials			
20min	VO2 Oxide material and device	Hidekazu Tanaka	Professor	Osaka Univ.
20min	2D Materials for Electronics and Optoelectronics	Joerg Appenzeller	Professor	ECE
				Purdue Univ.
11:30-12:30	Lunch time & networking coffee break			
12:30-13:50	Presentations pm-1: Virus detection and devices			
20min	Pathogen detection using graphene device with	Takao Ono	Assistant	Osaka Univ.
	microreactor		Professor	
20min	Graphene-wrapped microparticles for viral detection	Lia Stanciu	Professor	MSE
				Purdue Univ.
20min	Biosensors/virus detection	Jacqueline Linnes	Assistant	BME
			Professor	Purdue Univ.
20min	Virus detection by Graphene FET	Kazuhiko Matsumoto	Professor	Osaka Univ.
13:50-14:20	Networking coffee break			
14:20-15:00	Presentations pm : Life science application			
20min	Implantable sensors and actuators for neurological	Hyowon (Hugh) Lee	Assistant	BME
	applications		Professor	Purdue Univ.
20min	Brain wave measurement system	Takafumi Uemura	Associate	Osaka Univ.
			Professor	
15:00-15:05	Concluding Remarks	David Janes	Professor	Purdue Univ.
15:10-16:40	Purdue University Tours by Professor Hidekazu Tanaka			
16:40	Adjourn			