

Science Seminars
in
Faculty of Science

Joint Seminar and Research Camp 2013

&

Niigata Global Graduate Research Forum 2013

SCHEDULE

January 11th, 2013

9:30 ~ 10:30	Registration (Bldg. of Graduate School of Science & Technology, Large Conference Room)
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Signing Ceremony of PKNU and NU

(Bldg. of Faculty of Science, Dean Office)

10:30 ~ 10:40	Address	Kudo, Hisaaki, Dean (Faculty of Science, NU)
	Address	Lee, Suk-Mo, Dean (College of Environmental and Marine Science and Technology, PKNU)
	Signing	

Opening Ceremony

(Bldg. of Faculty of Science, Large Conference Room)

10:40	Opening Remarks	Kudo, Hisaaki, Dean (Faculty of Science, NU)
10:45	Address	Lee, Jong-Kyu, Dean (College of Natural Sciences, PKNU)
10:50	Guidance	Natsuka, Shunji, Vice Dean (Faculty of Science, NU)

Science Seminars (Three individual sessions. Details are in following pages.)

1. Physics & Chemistry Session (Large Conference Room) 11:05~17:05
2. Mathematics & Statistics Session (Room A523) 11:00~17:00
3. Geology & Biology Session (Room B303) 11:00~17:00

Welcome Party (17:30~19:30)

(Co-op First Cafeteria)

1. Physics & Chemistry Session (Large Conference Room)

	No.	Speaker	Title	Chair
11:00			Opening	
11:05	PC1	Li, Zhu	The interplay between nuclear mass model and astrophysical condition in r-process study	Zhang, Ying
11:25	PC2	Ohtsubo, Takashi	Reaction cross section study in RIBF	
11:45 ~ 12:45	Lunch Break & Poster Display (Room A302)			
12:45	PC3	Lin, Tzu-Neng	Energy transfer from InGaN quantum wells to fluorescent nanoparticles via optical waveguiding	Yoshida, Kenichi
13:00	PC4	Lee, Seung-Hoon	Conduction mechanism of gold nano-islands films	
13:15	PC5	Arai, Yuta	Analysis of Correlations in Stock Price Fluctuations Utilizing the Random Matrix Theory	
13:30	PC6	Park, Sung-Heum	Printable solar cells based on conjugated polymers	Ikoma, Tadaaki
13:50	PC7	Shin, In-Soo	Device performance enhancement in polymer solar cells by introducing a water-soluble polyelectrolyte and silver nanoparticles	
14:05	PC8	Lee, Ji-Hoon	Surface plasmon resonance effect in bilayer and bulk-heterojunction solar cells	
14:20	PC9	Kana, Yokoyama	Time Dependence of Magnetic Field Effect on Triplet Fusion of Diphenylanthracene	
14:35 ~ 15:15	Coffee Break & Poster Session (Room A302) Ps1~Ps15			
15:15	PC10	Kim, Yeong Il	Catalytic activities of $\text{IrO}_x(\text{OH})_y$ nanoparticles for visible light water oxidation	Umebayashi, Yasuhiro
15:35	PC11	Nam, Kwangmo	Supporting Electrolyte Concentration Effect on Parameters in Randle Equivalent Circuit	
15:50	PC12	Lin, Hong-Ping	A facile template-free method to prepare mesoporous-metal silicates	
16:10	PC13	Ishii, Yoshiki	Thermal conductivity of molten salts	Iwamoto, Hajime
16:25	PC14	Sung, Hui-Ling	Chemical reactivity of organometallic ruthenium complexes	
16:45	PC15	Soe, SungYong	Mild amidation of aldehydes with amines catalyzed by organolanthanide complexes	
17:05	Closing (Hasegawa, Eietsu)			

2. Mathematics & Statistics Session (Room A523)

	No.	Speaker	Title	Chair
11:10	MA1	Jang, Dae-Heung	DD-plot as a graphical tool for multivariate-normality test	Hirukawa, Junichi
11:35	MA2	Sasaki, Kiyooki	Optimal Multiperiod Mean-Variance Portfolio Selection for Time Series Return Processes	
12:00	MA3	Hirukawa, Junichi	On the Causality between Multiple Locally Stationary Processes	
12:25 ~ 14:00	Lunch Break & Poster Display (Room A523) Ps16~Ps18			
14:00	MA4	Lee, Gue-Myung	On Vector Matrix Game and Symmetric Dual Vector Optimization Problem	Tanaka, Tamaki
14:25	MA5	Kim, Do-Sang	Optimality Conditions and Duality in Nonsmooth Multiobjective Optimization Problems	
14:50	MA6	Lee, Jae-Hyoung	On sequential optimality conditions for robust convex optimization problems	
15:15	MA7	Zhang, Youmei	Admissibility for Positive Continuous-Time Descriptor Systems	
15:40 ~ 16:10	Poster Session (Room A523)			

3. Geology & Biology Session (Room B303)

(“Laboratory Tour” is started from Large Conference Room after Opening Ceremony)

11:00	Laboratory Tour 1: Department of Geology (Guide: Takazawa, Eiichi)			
11:30	Laboratory Tour 2: Department of Biology (Guide: Touma, Maki)			
12:00 ~ 13:00	Lunch Break			
	No.	Speaker	Title	Chair
13:00	GB1	Kurihara, Toshiyuki	Seasonal faunal change and depth distribution of living radiolarians in the Japan Sea off Sado Island	Satish-Kumar, Madhusoodhan
13:20	GB2	Awata, Satoshi	Diverse reproductive strategies in fishes: Case studies of cichlids and sculpins	
13:40	GB3	Kim, Yong-Seog	The relationship between fault damage structures, fault evolution stages and earthquake hazards	
14:00	GB4	Kim, Kyouin-Ho	Diversity of uncultured single-stranded and double-stranded DNA viruses revealed by viral metagenomics	Awata, Satoshi
14:20	GB5	Kim, Dong-Hyun	Bacterial and viral diversity of sea squirts and sea urchins	
14:40 ~ 14:55	Break			
14:55	GB6	Onozuka, Miho	Biochemical study of the autoimmune target site in the ribosomal functional P proteins	Awata, Satoshi
15:15	GB7	Hwang, Duk-Hyun	Anti-inflammatory responses induced by natural extracts and protein analogs	
15:35	GB8	Lim, Jong-Chan	Functional and biochemical analyses of Rdd in <i>Xenopus</i> blood vessel differentiation	Kurihara, Toshiyuki
15:55	GB9	Luo, Hui	Late Jurassic-Early Cretaceous Radiolarians from the Yamdrok mélange in Gyangze, Southern Tibet	
16:15	GB10	Lee, Chun-Woo	Computer aided design and analysis of fisheries system as examples of smart fishery	
16:35	Closing			