

ICC-IMR Workshop on Novel Material Science by Neutron Scattering
 - Polarization Analysis & Cross-Correlation Method -
 A Satellite Workshop of 1st AOCNS

Date: 18th-19th, November, 2011

Place: Lecture Hall, Bldg 2, Institute for Materials Research, Tohoku Univ. (18-Nov)

Seminar Room of WPI, Tohoku Univ. (19-Nov.)

Organizer : Center of Neutron Science for Advanced Materials, Institute for Materials Research,
 Tohoku University

Program

Discussion time : 10min.

18-Nov	
13:30 – 13:35	Opening Kenji Ohoyama (IMR)
Session I: Polarized Neutron Spectroscopy Chairman: T.J. Sato (ISSP, Univ. Tokyo)	
13:35 – 14:05	M. Hagen (SNS) “Constructing and Commissioning the Hybrid Polarized Beam Spectrometer (HYSPEC) at SNS“ (20min.+10min)
14:05 – 14:35	I. Zaliznyak (BNL): “New science opportunities using HYSPEC” (20min.+10min)
14:35 - 15:05	K. Ohoyama(IMR, Tohoku Univ.) “Polarized Neutron Spectrometer Project in J-PARC” (20min.+10min)
15:05 – 15:35	H. Hiraka(IMR,Tohoku Univ.) “Magnetic excitations in antiferromagnetic metal (Mn,Fe) ₃ Si” (20min.+10min)
Coffee Break 20min	
Session II Cross Correlation Method Chairman: K. Iwasa (Tohoku Univ.)	
15:55-16:35	S. Rosenkranz (Argonne) “Efficient Elastic Diffraction Utilizing the Cross Correlation Technique” (30min.+10min)
16:35-17:05	T. Sakuma (Ibaraki Univ.) “Diffuse Neutron Scattering Study of Solid State Ionics” (20min.+10min)
17:05-17:35	K. Tomiyasu (Tohoku Univ) “Development of cross-correlation method towards white-beam inelastic neutron scattering “ (20min.+10min)
18:30-	Banquet

Caution: The Place is Different on 19th-Nov.

19-Nov (Place : Seminar Room of WPI-AIMR Main Building (2 nd Floor))	
Session III: Material Science Chairman: S. Shamoto (JAEA)	
9:00- 9:30	T. Arima (Univ. Tokyo) “Low-energy excitations in multiferroics” (20min.+10min)
9:30-10:00	Y. Tabata (Kyoto Univ.) “Spin correlations in geometric frustrated magnets: Localized and itinerant electron systems” (20min.+10min)
10:00-10:30	T. Masuda (ISSP, Univ. Tokyo) (20min.+10min) “Spin nematic correlation in frustrated ferromagnetic chain”
Coffee Break 15min.	
Session IV: Novel Materials Science Chairman: M. Takeda (JAEA)	
10:45-11:15	K. Takanashi (IMR, Tohoku Univ.) “Spin Current and Spintronics” (20min.+10min)
11:15-11:45	T. Ogawa (Tohoku Univ.) “Present status of nanoparticle-based material for magnetic devices- Expectation and roles of neutron scattering -” (20min.+10min)
11:45-12:15	T. Fukumura (Univ. Tokyo) "Room temperature ferromagnetism in dilute-doped oxide semiconductors" (20min.+10min)
Lunch	
Session V: Novel Technique Chairman : H.M. Shimizu (KEK)	
13:30-14:00	H. Nojiri (IMR, Tohoku Univ.) “Neutron Diffraction Experiments in Pulsed High Magnetic Fields” (20min.+10min)
14:00-14:30	T. Shinohara (JAEA) “Development of magnetic field imaging using polarized pulsed neutrons at J-PARC” (20min.+10min)
14:30-	Summary and Closing

Banquet Fee: 3000~4000JPY

Secretary:

Dr. Kenji Ohoyama

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Venues of the workshop

18-Nov: Lecture Hall of Institute for Materials Research (IMR), Tohoku Univ.

19-Nov: Seminar Room (2nd Floor) of WPI-AMR Main Building, Tohoku Univ.



