

# International Workshop Nano-Spin Sciences

Date : 14<sup>th</sup> July, 2015

Venue : Room # 921, West 2 building, Ito Campus, Kyushu University

## **Session1 : Spin-Heat Interaction**

Chair : Hiromi Yuasa

- 13:00~13:20    **Thermal spin injections using CoFe-based alloy**  
Takashi Kimura
- 13:20~13:50    **Thermal vector potential theory of transport induced by temperature gradient**  
Gen Tatara

## **Session2 : Magnetization Dynamics**

Chair : Terumitsu Tanaka

- 13:50~14:05    **Microwave assisted spin transfer torque switching in a vertically integrated logic-in-memory architecture**  
H. Yu
- 14:05~14:20    **Structural control of standing spin wave properties in exchange-coupled multilayer strips**  
Y. Xiaoruis
- 14:20~14:40    **Reflection and refraction of magnetostatic waves with ferromagnetic/antiferromagnetic exchange bias**  
Satoshi Yakata
- 14:40~15:00    **ESR studies on gold nanorods**  
Yuji Inagaki

## **Session3 : Novel Spin Transport**

Chair : Takashi Kimura

- 15:10~15:30    **Extension of the Lieb-Schultz-Mattis theorem**  
Kiyohide Nomura
- 15:30~15:50    **Spin current insulation at a superconducting/normal metal interface**  
Kohei Ohnishi
- 15:50~16:10    **Spectral function method for Hall conductivity**  
Osamu Narikiyo

## **Session4 : Special Invited Talk**

Chair : Kimihide Matsuyama

- 16:10~16:55    **Spin Dynamics in Bilayer Graphene and Mono- and Bilayer Transition Metal Dichalcogenides**  
Ming-Wei Wu
- 16:55~17:40    **How is afraid of YIG?**  
G. E. W. Bauer
- 17:40~18:00    **Spectroscopic study of low-temperature hydrogen absorption in palladium**  
Tatsuya Kawae