

2nd RAP Seminar

The 3rd Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : **May 10(Fri), 2013, 16:00 ~17:00**

Location : Cooperation Center, 3F Meeting Room, W319
(研究交流棟3階会議室 W319)

Title : **Frontier of Materials, Life and Elementary
Particles Science Explored
by Ultra Slow Muon Microscope**

超低速ミュオン顕微鏡が拓く物質・生命・素粒子科学のフロンティア

Speaker : **Prof. Eiko Torikai** (Univ. Yamanashi)
鳥養 映子 教授 (山梨大学)

Collaboration between two leading-edge pulsed technologies, the world strongest muon source in J-PARC and VUV photon source developed in RIKEN, will produce a frontier quantum beam in J-PARC. The ultra slow muon microscope, which is realized by ultra slow muon and muon micro beam enables us to explore local information of materials with spatial resolutions of either nanometer in depth profiling in the vicinity of surface and/or micrometer in three-dimensional mapping inside materials.