



International Symposium on Science Explored by Ultra Slow Muon

USM2013

August 9-12, 2013



Lake Shinji

Scope:

USM2013 will provide a forum for academic and industrial leaders, both current and tomorrow, to discuss and exchange their findings and ideas to develop a new methodology using a **Ultra Slow Muon Microscope**, which contributes to exploring great diverse phenomena and to designing new materials.

The Ultra Slow Muon Microscope consists of two novel muon sources: a Ultra Slow Muon for depth profiling from a surface with nanometer resolution and a micro beam for probing inside of a material with resolution of several micrometer. A new spatial imaging method would be a creative tool to explore near surface and interfaces, which plays a key role in material and life sciences. In order to realize this, participation from a variety of research fields so far unfamiliar with muon probe are invited.

Preschool:

8 August 2013 at Kunibiki Messe



Izumo Taisha
(Grand Shrine of Izumo)

Topics:

- Ultra Slow Muon Production
Production target, Beam technology & Laser
- Fundamental Physics
- Materials Research
Magnetism, Superconductivity, Spintronics,
& Battery Materials
- Chemistry
Catalyst & Chemical Reactions
- Surface/Interface Science & Nanotechnology
- Biology
- Hydrogen Science

Important date:

- Abstract submission 17 May, 2013
- Early registration 17 May, 2013

Organizers:

Chair Person

Torikai, E. (Univ. Yamanashi)

Program Committee Chair

Nishida, N. (Toyota Physical and
Chemical Research Institute)

Publication Committee Chair

Higemoto, W. (JAEA)

Local Committee Chair

Inoue, K. (Hiroshima Univ.)

Contact:

slowmuon@yamanashi.ac.jp

Venue:

Kunibiki Messe (Shimane Prefectural
Convention Center) at Matsue in Japan



<http://www.kunibikimesse.jp/14.html>