

USM2013

ULTRASLOW  
MUON  
MICROSCOPE



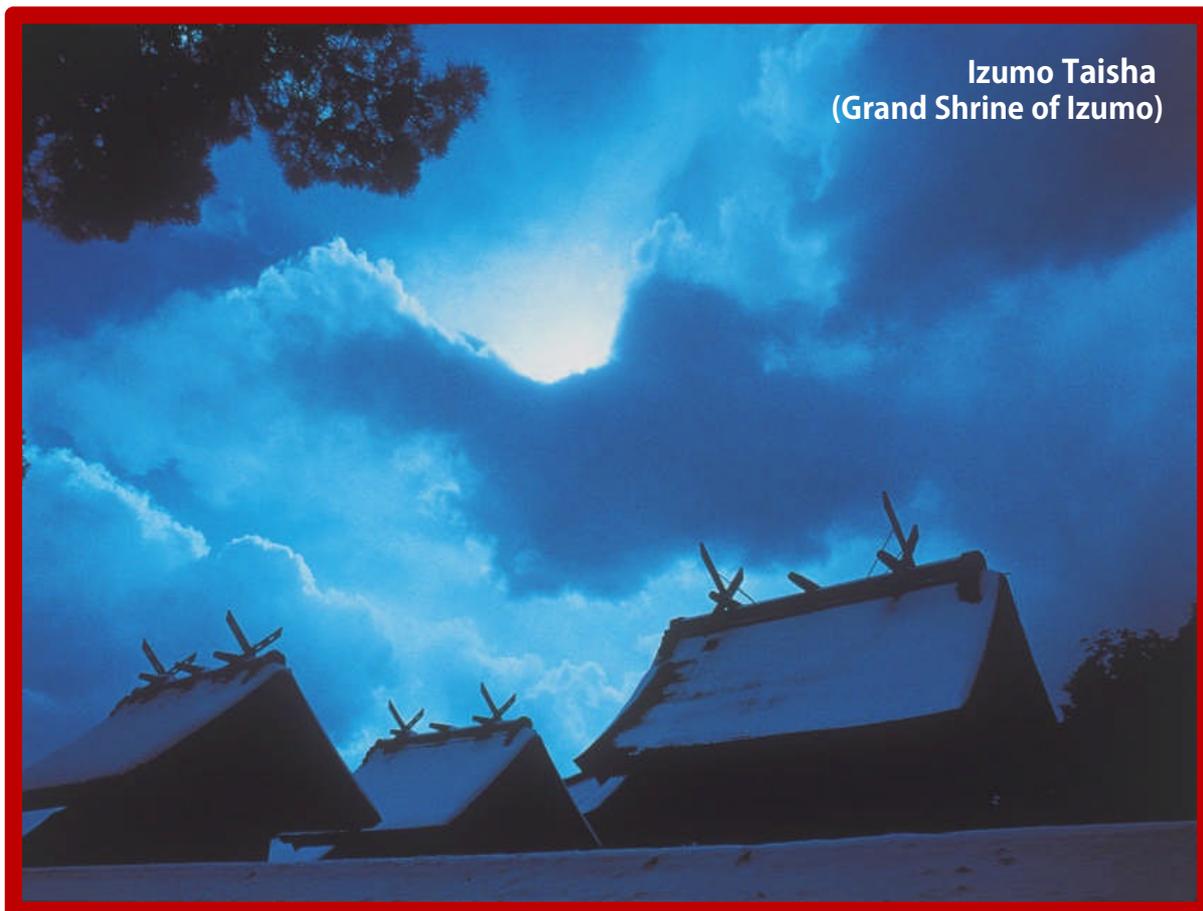
# International Symposium on Science Explored by Ultra Slow Muon

August 9-12, 2013

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. Participation from a variety of research fields so far unfamiliar with muon probe are invited.

## 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 and Nanotechnology
- Biology
- Hydrogen Science



Izumo Taisha  
(Grand Shrine of Izumo)

## Important date:

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

## Preschool:

**8 August 2013** at Kunibiki Messe

## Venue:

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



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

## 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.)

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[www.slowmuon.jp/intl\\_symposium/](http://www.slowmuon.jp/intl_symposium/)