

OS4: Engineering and Biomedical Applications of magnetic particles and fluid

GODAI

November 8, 2006

9:25 ~ 9:30 **OS4 - Opening Address**

Prof. Kazuyuki Tohji (Tohoku University Japan)

OS4-1 **Synthesis of high-performance magnetic fluids and their magnetic properties**

19:30 - 10:20 Dr. Isao Nakatani (National Institute for Material Science, Japan)

OS4-2 **Magnetic nanoparticle complexes for pathogen detection and toxin removal**

10:20 - 11:10 Prof. Bing Xu (The Hong Kong Univ. of Science and Technology, Hong Kong)

OS4-3 **Application of Magnetic and Luminescent Metal Oxide particles to Biosensors**

11:10 - 12:00 Prof. Ian Kennedy, UC Davis, USA

12:00 - 13:30 LUNCH

OS4-4 **Magnetic nanoparticle complexes for drug delivery, and implanted magnets for targeting**

13:30-14:20 Prof. M. Ricardo Ibarra Garcia, Instituto De Nanociencia De Aragon, Spain

OS4-5 **Rapid Characterization of Magnetic Particles in Biotechnology**

14:20 - 15:10 K. V. Rao (Royal Institute of Technology, Stockholm, Sweden)

OS4-6 **Societal Implication of Nanotechnology and Risk Assessment of Nanoparticles**

15:10 - 16:00 Dr. Eiichi Ozawa (National Institute for Materials Science: Nanotechnology Researchers Network Center of Japan, Japan)

16:00 - 16:05 **OS4 CLOSING REMARKS**

Prof. Balachandran Jeyadevan