한국자기학회 응용 • 측정 분과 심포지움

July 6th, 2012

Invitation

Convergence of Magnetism and Biomedicine

나노 자성과 바이오•의료 기술과의 만남

We cordially invite you to participate in the symposium, “Convergence of Magnetism and Biomedicine”, to be held at Chungnam National University, Korea, organized by center for NanoBioEngineering and Spintronics (nBEST) on 6th July, 2012.

The theme of the symposium mainly focuses on application of magnetic nanomaterials to medical diagnosis and treatment. This symposium will serve as a forum for exchange of ideas among the groups and provide us with further innovative research directions. The your contribution at the symposium is very much appreciable for making success of the symposium.

Prof. CheolGi Kim

Director,

nBEST

Center for NanoBioEngineering & SpinTronics
나노소재기반 바이오·의료 진단 기술 사업단

후원 : 충남대학교 고기능성자성재료연구센터(ReCAMM)
한국자기학회

Convergence of Magnetism and Biomedicine

Schedule

6th July, 2012

13:30 – 13:50 Opening remarks

13:50 – 14:30 Multiplexing capabilities of multi-frequency magnetic ratchets
Prof. Benjamin Yellen (Duke University, USA)

14:30 – 15:10 Addressing and trapping of individual cell using magnetophoresis
Mr. Venu (nBEST , Korea)

15:10 – 15:50 Magnetic tools for molecular diagnosis
Dr. Joerg Schotter(AIT Austrian Institute of Technology GmbH, Austria)

15:50 – 16:10 Coffee break

16:10 – 16:50 Magnetic hyperthermia - recent topics of magnetic nanoparticles and implants
Prof.Yasushi Takemura (Yokohama National University, Japan)

16:50 – 17:30 Development of Oriental Medical Pulsimeter using Magnetic Field Sensing Thin Films
Prof. Sang Suk Lee (Sangji University, Korea)

17:30 – 18:10 Above Room Temperature Ferromagnetism in Si:Mn and $TiO_{2-\delta}$:Co
Prof. A. Granovsky (Moscow State University, Moscow)

18:10 – 18:30 Closing remarks

Venue

Lecture room (502), 5th floor, W1 building, Chungnam National University
220 Gungdong, Yuseong-Gu, Daejeon 305-764, Republic of Korea