

台灣磁性技術協會

Taiwan Association for Magnetic Technology



# IcAUMS 2016

The 4th International Conference of  
Asian Union of Magnetics Societies

August 1st – August 5th, 2016,  
Tainan, Taiwan

**Organized by**

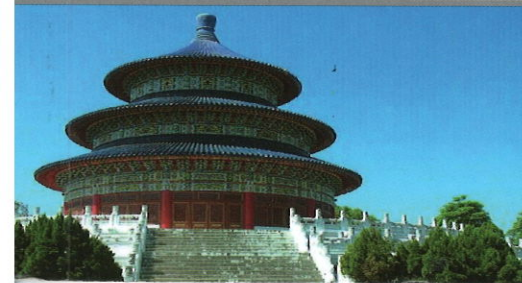
Asian Union of Magnetics Societies  
Taiwan Association of Magnetic Technology  
National Tsing Hua University  
National Cheng Kung University

**Co-organized by**

Chinese Society of Magnetic Materials and Applications  
Magnetics Society of Japan  
The Korean Magnetics Society  
Magnetics Society of India

**Supported by**

Bureau of Foreign Trade, Ministry of Economic Affairs of R.O.C. (Taiwan)  
Ministry of Science and Technology, R.O.C. (Taiwan)  
Ministry of Education, R.O.C. (Taiwan)



**PU-10****Combined effect of stress and magnetic field on domain in new Fe-based amorphous alloys**

Chengliang Zhao, Aina He, Anding Wang, Chuntao Chang, Xinmin Wang

*Zhejiang Province Key Laboratory of Magnetic Materials and Application Technology, Key Laboratory of Magnetic Materials and Devices, and Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, Ningbo 315201 China*

**PU-11****Mössbauer studies of Ba<sub>3</sub>Zn<sub>2</sub>Fe<sub>24</sub>O<sub>41</sub> Z-type hexaferrite**

Jung Tae Lim<sup>(a)</sup>, Jung Chul Sur<sup>(b)</sup>, In-Bo Shim<sup>(a)</sup>, Chul Sung Kim<sup>(a)\*</sup>

<sup>(a)</sup> *Department of Physics, Kookmin University, Seoul, 02707, South Korea*

<sup>(b)</sup> *Department of Microelectronics and Display Tech., Wonkwang Univ., Iksan, 54538, South Korea*

**PU-12****Spin reorientation of Li<sub>0.99</sub>Na<sub>0.01</sub>FePO<sub>4</sub> with Mössbauer Spectroscopy**

Byung Ug Ko<sup>(a)</sup>, Young Bae Lee<sup>(b)</sup>, Bo Ra Myoung<sup>(a)</sup> and Chul Sung Kim<sup>(a)\*</sup>

<sup>(a)</sup> *Department of Physics, Kookmin University, Seoul, 02707, South Korea*

<sup>(b)</sup> *Department of Liberal Arts, Hanzhong University, Donghae, 25800, South Korea*

**PU-13****High Energy Product and Coercivity enhancement of sintered Nd-Fe-B magnets by grain boundary diffusion**

Yang Zhao<sup>(a,b)</sup>, Haibo Feng<sup>(a)</sup>, Anhua Li<sup>(a)</sup>, Minggang Zhu<sup>(a)</sup>, Wei Li<sup>(a)</sup>

<sup>(a)</sup> *Division of Functional Materials, Central Iron and Steel Research Institute,*

*Beijing 100081, P.R.China*

<sup>(b)</sup> *School of Materials Science and Engineering, Tsinghua University, Beijing 100084, P.R.China*

**PU-14****High performance R-Fe-B die-upset magnets based on misch-metal alloys**

R. Lai<sup>(a)</sup>, R. Chen<sup>(a)</sup>, W. Yin<sup>(a)</sup>, X. Tang<sup>(a)</sup>, Z. Wang<sup>(a)</sup>, D. Lee<sup>(b)</sup>, A. Yan<sup>(a)</sup>

<sup>(a)</sup> *Rare Earth Magnetic Materials Laboratory, Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, Ningbo, Zhejiang, China.*

<sup>(b)</sup> *University of Dayton, Dayton, OH, United States.*

**PU-15****High rated current Fe-base metal core multilayer power inductor**

C. P. Wu, W. S. Ko, Y. T. Haung, Y. P. Wang, L. J. Wang and M. J. Tung

*Material and Chemical Research Laboratories Industrial Technology Research Institute, Taiwan*

**PU-16****Effects of oxygen contents on the microstructures of high-performance SmCo<sub>2:17</sub>-type sintered permanent magnet**

Wei Sun<sup>a,b</sup>, Minggang Zhu<sup>a,b</sup>, Yikun Fang<sup>a,b</sup>, Hongsheng Chen<sup>a,b</sup>, Kuikui Song<sup>a,b</sup>, Nengjun Yu<sup>a,b</sup>, Wei Li<sup>a,b</sup>

<sup>a</sup> *Functional Materials Research Institute, Central Iron & Steel Research Institute, Beijing 100081, China.*

<sup>b</sup> *Beijing Engineering Laboratory of Advanced Metallic Magnetic Materials and Preparation Techniques, Beijing 100081, China.*