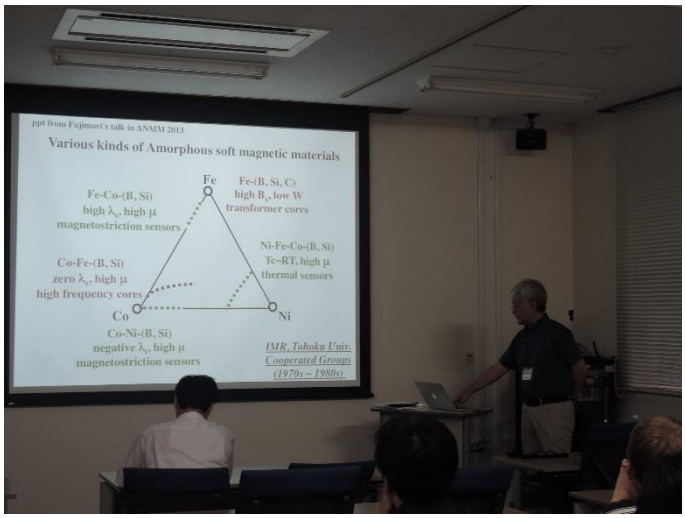
Photos

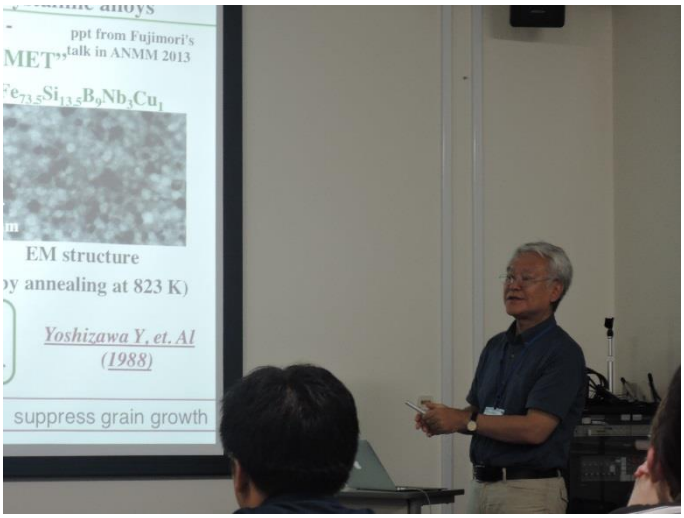
Wed, August 29

Opening Session (17:00-17:30)

Opening talk *"30th Anniversary of "FINEMET""*

Masato OHNUMA, Hokkaido University, Japan





Thu, August 30

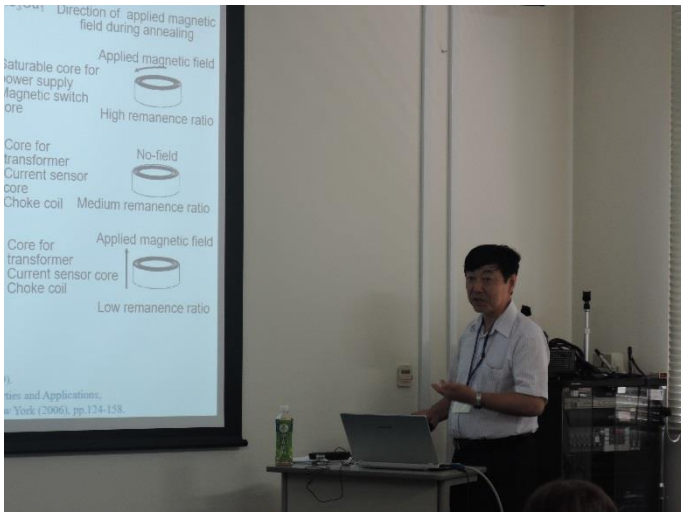
15th Materials Science School for Young Scientists (KINKEN WAKATE 2018)

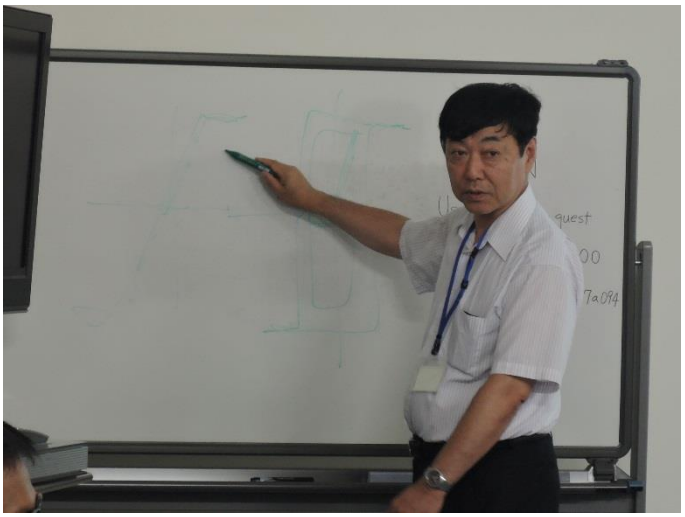
Lecture 1 (9:00-12:10)

Tutorial 1

"Fe-based nanocrystalline soft magnetic alloys and their applications"

Yoshihito YOSHIZAWA, High Energy Accelerator Research Organization (KEK), Japan, inventor of FINEMET









Tutorial 2

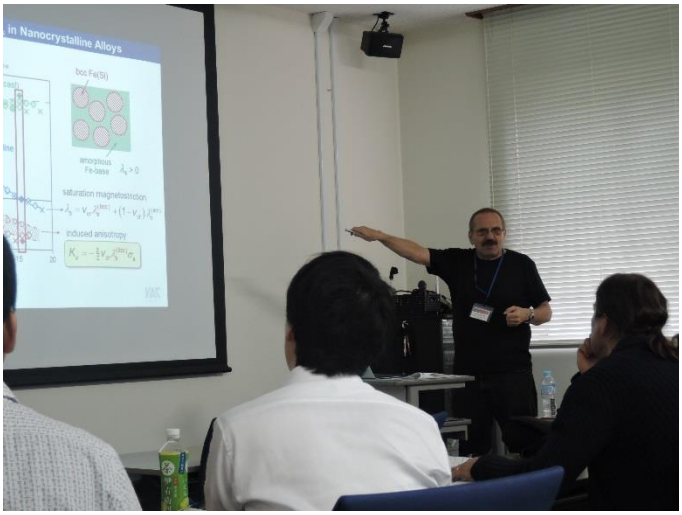
“Amorphous and Nanocrystalline Materials for Soft Magnetic Applications”

Giselher HERZER, Vacuumschmelze GmbH & Co. KG, Germany









Poster Session (13:00-13:30)

“Spatial Heterogeneity of Elastic Behavior in Amorphous Alloys”

Kodai TAKANO, Hokkaido University, Japan

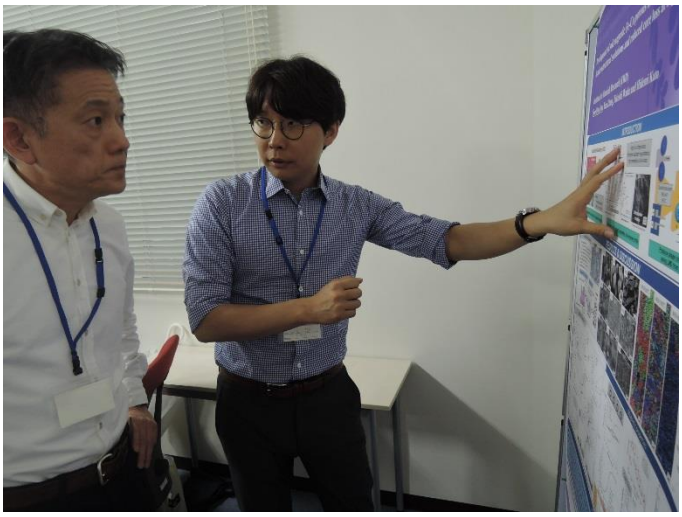
“Cryogenic thermal cycling and high pressure torsion processing of Ti-Ni based crystal/glassy alloys”

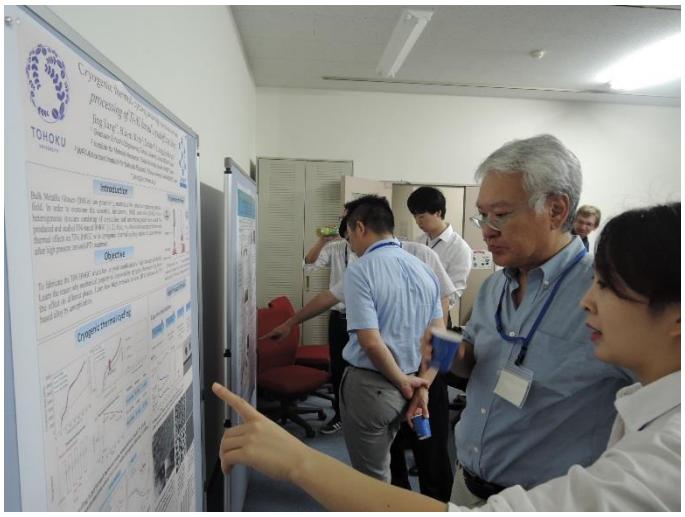
Jing JIANG, Tohoku University, Japan

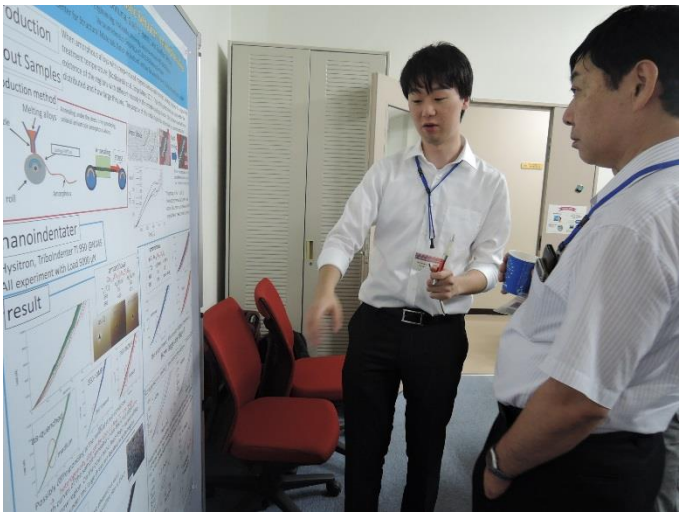
“Development of soft magnetic Fe-Co porous using liquid metal dealloying: its microstructural evolutions and reduced core loss at high frequency”

Soo-Hyun JOO, Tohoku University, Japan









Lecture 2 (13:30-16:40)

Tutorial 3

“Fe-M-B (M = IVa TO VIa METAL) NANOCRYSTALLINE SOFT MAGNETIC MATERIALS A Review of Alloy Development”

Kiyonori SUZUKI, Monash University, Australia









Tutorial 4

“METAL AMORPHOUS NANOCOMPOSITE (MANC) MATERIALS & DEVICES FOR POWER MAGNETIC APPLICATIONS”

Michael E. MCHENRY, Carnegie Mellon University, USA







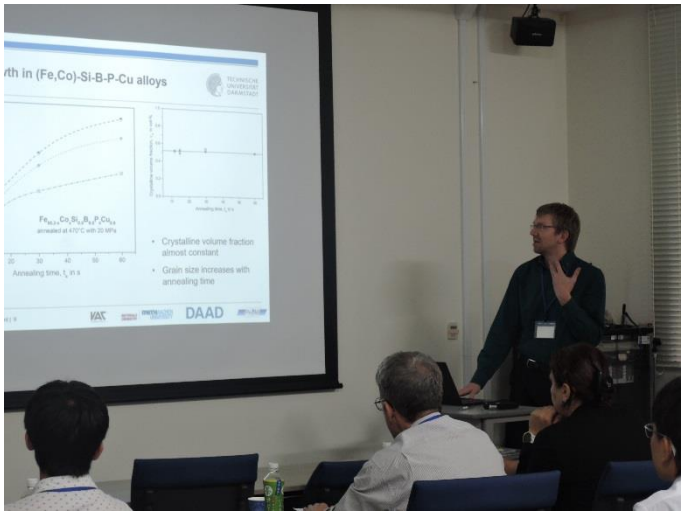


Young Session (16:50-18:05)

Young 1

“The effect of Co addition on magnetic and structural properties of nanocrystalline (Fe,Co)-Si-B-P-Cu alloys”

Markus KUHNT, Technical University Darmstadt, Germany



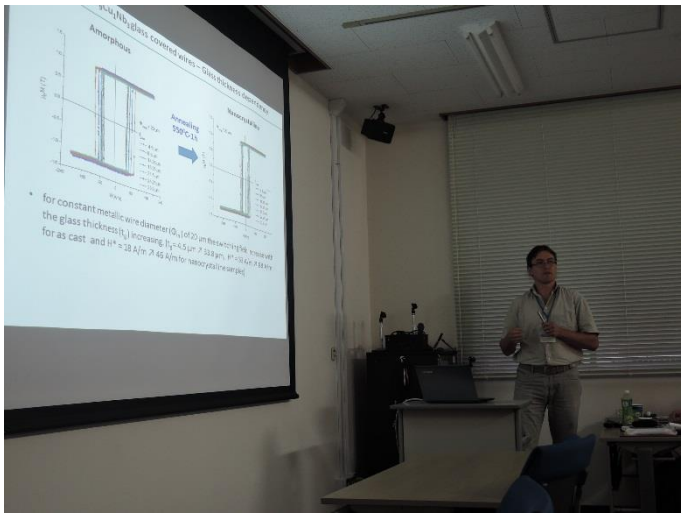




Young 2

“Nanocrystalline glass covered microwires”

Sorin CORODEANU, National Institute of Research and Development for Technical Physics, Romania







Young 3

“Development of Fe-Si-B-Cu soft magnetic nanocrystalline alloys with high Cu concentrations”

Yanhui LI, Dalian University of Technology, China

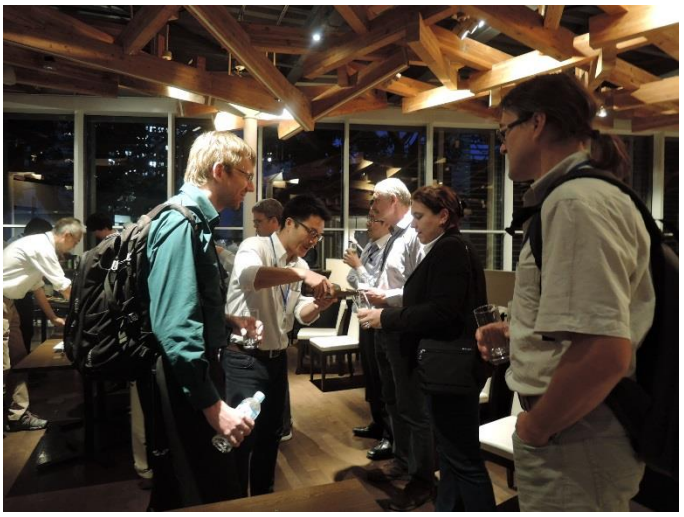






Party (18:30-　)









Fri, August 31

Symposium of 30th Anniversary of Nano Crystalline Soft Magnetic Alloys (FINEMET 30)

Session 1 (9:10-12:00)

Key note 1

“The Random Anisotropy Model”

Giselher HERZER, Vacuumschmelze GmbH & Co. KG, Germany





Key note 2

“Tunable Resistivities and Strain Induced Anisotropy in Metal Amorphous Nanocomposites with Multiple Nanocrystalline Phases”

Michael E. MCHENRY, Carnegie Mellon University, USA





Key note 3

“Are copper and early transition metals essential for magnetically soft nanostructures?”

Kiyonori SUZUKI, Monash University, Australia





Session 2 (13:10-14:45)

Invited talk 1

“Nanogranular magnetic films for applications as high frequency soft magnets”

Shigehiro OHNUMA, Research Institute for Electromagnetic Materials, Japan





Special invited talk *“Development of Fe-based Nanocrystalline Soft Magnetic Alloys”*

Yoshihito YOSHIZAWA, High Energy Accelerator Research Organization (KEK), Japan,

inventor of FINEMET





Invited talk 2

“Soft magnetic nanocrystalline bilayer ribbons for sensor applications”

Ivan SKORVANEK, Slovak Academy of Sciences, Slovakia





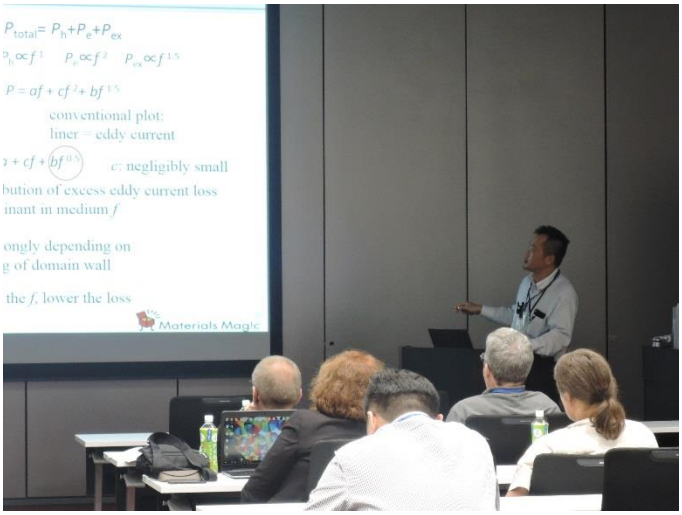
Session 3 (14:55-16:35)

Invited talk 3

“Fabrication of High B_s Fe-based nanocrystalline alloy ribbon and magnetic properties of their cores”

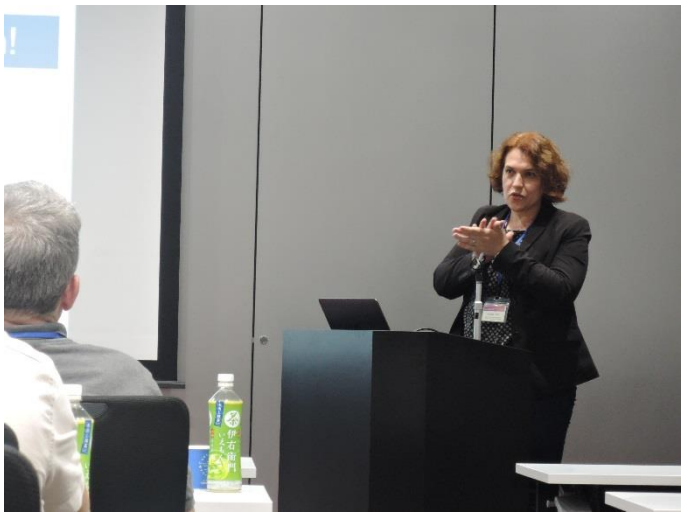
Motoki OHTA, Hitachi Metals, Ltd., Japan





Invited talk 5 *”Ultrathin Nanocrystalline Magnetic Wires”*

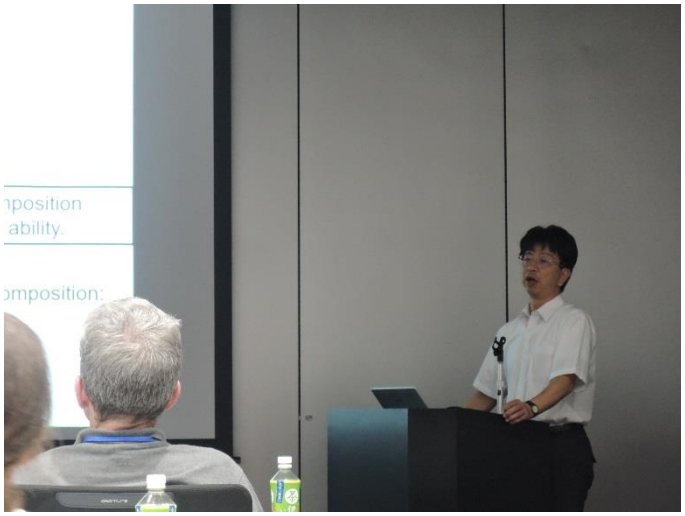
Nicoleta LUPU, National Institute of Research and Development for Technical Physics, Rumania





Invited talk 4 *“Inverse Magnetostrictive Properties and Application of (Fe, Co)-Si-B-Nb Amorphous Alloys”*

Kenji AMIYA, Tohoku University, Japan

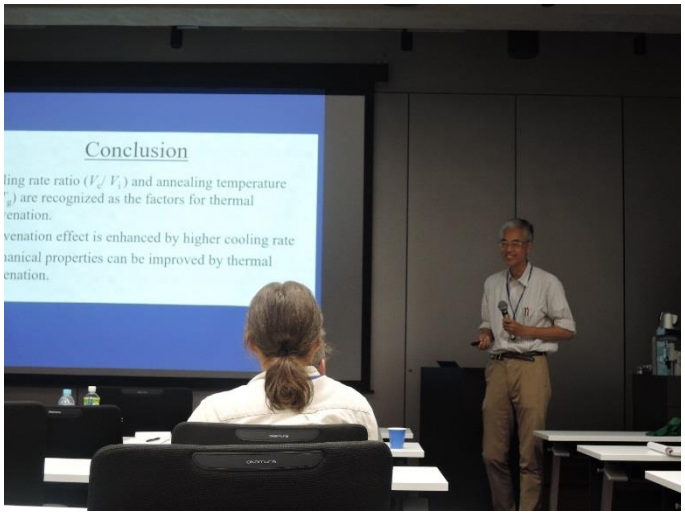




Session 4 (16:45-18:00)

Oral contribution 1 *“Thermal rejuvenation in metallic glasses for improved plasticity”*

Junji SAIDA, Tohoku University, Japan





Oral contribution 2 *“Dynamic study of primary and secondary relaxations in Pd-Ni-Cu-P glass”*

Hidemi KATO, Tohoku University, Japan





Oral contribution 3

“Role of Amorphous Phase”

Masato OHNUMA, Hokkaido University, Japan





Group photo




KINKEN WAKATE 2018

