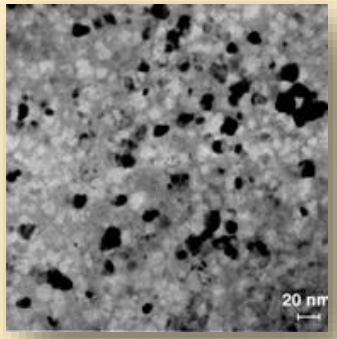
Symposium of 30th Anniversary of Nano Crystalline Soft Magnetic Alloys

IMR, Tohoku University
August 31st

The year 2018 is the 30th anniversary of the first paper that reports nanocrystalline soft magnetic alloys by Yoshizawa et. al., The alloy known as “FINEMET” is the first one memorized with the word of “Nano” in the metallurgy, and has affected to the following “nano-technology”. The paper (J.Appl.Phys.,64, 6044-6046 (1988)) has been cited by 3500 times and the citation of the related paper by Herzer, where he explains the mechanism of magnetic softness by the random anisotropy model, also reaches more than 1500 citations. Those numbers strongly indicate how large impact the nanocrystalline soft magnetic alloys gave to the materials science field.
The increasing demand of green technology such as high performance motors, the importance of soft magnetic materials is still growing. Further developments by young researchers are strongly expected. To learn "How those new ideas came out?" from the inventors of FINEMET, NANOPERM, and Nanogranular soft magnetic materials, brings new idea or strategy for making something "New" to the young researcher.
We will have some slots for talks by attendees in the Anniversary session, too.

Program (tentative)



August 31st
key speakers
Dr. Y. Yoshizawa (inventor of FINEMET)
Dr. G. Herzer (Vacuumschmelze GmbH)
Prof. K. Suzuki (Monash Univ.)
Prof. M. McHenry (Carnegie Mellon Univ.)
Prof. S. Ohnuma (Tohoku Univ., RIEMM)
Dr. M. Ohta (Hitachi Metals)
Prof. T. Bitoh (Akita Prefectural Univ.)
Prof. K. Amiya (Tohoku Univ.)
Prof. M.Ohnuma (Hokkaido Univ.)
and more

+ oral presentation

registration fee
1000 JPY (for party on August 30th)

Organizer
Prof. Masato Ohnuma (Hokkaido Univ.)
Prof. Junji Saida (FRIS, Tohoku Univ.)

KINKEN WAKATE 2018

IMR, Tohoku University
August 29th & 30th

The KINKEN WAKATE 2018 will provide an opportunity to learn fundamentals of Nano Crystalline Soft Magnetic Materials and to exchange information on their own research among participants. We will have tutorial seminar given by well known scientists.
We are also planning to have poster sessions from young researchers.

August 29th

registration, poster session (planned)

August 30th

lecturers
Dr. Y. Yoshizawa (inventor of FINEMET)
Dr. G. Herzer (Vacuumschmelze GmbH)
Prof. K. Suzuki (Monash University)
Prof. M. McHenry (Carnegie Mellon Univ.)
and more
+ poster session & party

registration fee
1000 JPY(for party on August 30th)

Organizer
Prof. Hidemi Kato (IMR, Tohoku Univ.)

How to attend
Check our Home Page http://www.finemet-wakate2018.imr.tohoku.ac.jp/
or Send e-mail to
finemet-wakate2018@imr.tohoku.ac.jp

Place
IMR, Tohoku University
Katahira 2-1-1 Aoba-ku,
Sendai

Access
From Tokyo Station JR Tokyo Station -> JR (Tohoku-Shinkansen, about 1 hour 30 minutes)
-> JR Sendai Station 3F -> a Taxi Stand 1F
-> Taxi (10 min) ->IMR, Tohoku Univ.

Research