CURRICULUM VITAE FOR KANAME MATSUMOTO

PRESENT POSITION:

Chair and Professor,
Department of Materials Science and Engineering
Kyushu Institute of Technology, Japan
Email: matsu@post.matsc.kyutech.ac.jp

EDUCATION:

Kyoto University, Kyoto, Japan	Ph.D	1991	Physical Metallurgy
Kyoto University, Kyoto, Japan	B.E.	1982	Physical Metallurgy

EMPLOYMENT/RESEARCH EXPERIENCE:

2009-present	Chair and Professor, Department of Materials Science and Engineering, Kyushu Institute of Technology, Japan.
2007-2009	Vice-Chair and Professor, Department of Materials Science and Engineering, Kyushu Institute of Technology, Japan.
2000-2007	Associate Professor, Department of Materials Science and Engineering, Kyoto University, Japan.
1996-2000	Senior Scientist, Superconductivity Research Laboratory, ISTEC, Japan.
1984-1994	Researcher, Yokohama R&D Laboratories, Furukawa Electric Company.
1994-2000	Senior Researcher, Nikko Metal Laboratory, Furukawa Electric Company.

HORNORS:

2008	Award of Superconductor Research and Development, The Society of Non-Traditional Technology (Japan).
2004	Fellow of the Institute of Physics (UK).
1995	Oyama Memorial Award of Paper, The Cryogenic Association of Japan (Japan).

SELECTED PANEL MEMBERSHIP:

The Steering Committee Member of the Cryogenic Association of Japan, 2006-present.
The Executive Board Member of Kyushu Affiliate of the Cryogenic Association of Japan, 2007-present.
The Chair of Cryogenic Material Research Division of the Cryogenic Association of Japan, 2006-present.
The Editorial Committee Member of the Japan Society of Applied Physics, 2008-present.
The Member of the Sectional Committee of Superconductivity of the Japan Society of Applied Physics, 2007-present.
The Executive Board Member of Kyushu Affiliate of the Japan Institute of Metal, 2007-present.
The Member of the Asian Board of the IOP journal of Superconductor Science and Technology, 2002-2006.
The Member of the International Advisory Board of journal the Korea Institute of Applied Superconductivity and Cryogenics, 2002-present.
The Technical Committee Member of Applied Superconductivity Conference, 2006-present.

PROFESSIONAL ORGANIZATIONS:
The Japan Society of Applied Physics, Cryogenic Association of Japan, The Japan Institute of Metal, Materials Research Society, Americal Ceramic Society

PUBLICATIONS:

Books

1. Fujishima Akira, Kaname Matsumoto et al., "*Nanotechnology and Energy*" (*in Japanese*), Maruzen, Tokyo, Japan, 2006.
2. Tanzo Nitta, Kaname Matsumoto et al., "*Superconductor Energy Engineering*" (*in Japanese*), Ohmsha, Yokyo, Japan, 2006.
3. Kaname Matsumoto, "*Superconducting Materials*" (*in Japanese*) in *Surface Science and Engineering*, ed. Kenichi Honda, pp. 542, 2005.
4. Minoru Konuma and Kaname Matsumoto, "*Superconducting Materials and Wire Fabrication Technology*", Kogaku-Tosho, Tokyo, Japan, 1997.
5. Kaname Matsumoto and Yutaka Yoshida, "*Surface Decoration of Substrate to Increase Flux Pinning in YBCO and SmBCO films*" in *Flux Pinning and AC loss Studies on YBCO Coated Conductors* ed. M. P. Paranthaman and V. Selvamanickam, Nova Science Publishers, 2008.

Recent Publications

1. T. Horide, K. Matsumoto, P. Mele, A. Ichinose, R. Kita, M. Mukaida, Y. Yoshida, S. Horii, "The Crossover from the vortex glass to the Boss glass in nanostructured $YBa_2Cu_3O_y$ films", Appl. Phys. Lett. **92**, pp. 182511, 2008.
2. S. Horii, M. Takamura, M. Mukaida, A. Ichinose, K. Yamada, K. Matsumoto, R. Kita, Y. Yoshida, J. Shimoyama and K. Kishio, "Two-dimensional vortex pinning phenomena in $YBa_2Cu_3O_y$ films", Appl. Phys. Lett. **92**, pp. 132502, 2008.
3. K. Yamada, M. Mukaida, H. Kai, R. Teranishi, A. Ichinose, R. Kita, S. Kato, S. Horii, Y. Yoshida, K. Matsumoto, S. Toh, "Transmission electron microscopy characterization of nanorods in $BaNb_2O_6$-doped $ErBa_2Cu_3O_{7-d}$ films", Appl. Phys. Lett. **92**, pp. 112503, 2008.
4. Kazuhiro Yamada, Ataru Ichinose, Shuhei Yasunaga, Ryo Teranishi, Masashi Mukaida, Shigeru Horii, Ryusuke Kita, Shingo Kato, Yutaka Yoshida, Kaname Matsumoto, and Shoichi Toh, "Transmission Electron Microscopy Analysis of Nanorods in $BaSnO_3$-Doped $ErBa_2Cu_3O_{7-\delta}$ Films", Jpn. J. Appl. Phys. **47**, pp. 899-903, 2008.
5. T. Horide, K. Matsumoto, Y. Yoshida, M. Mukaida, A. Ichinose, S. Horii, "Tilt angle dependence of vortex structure and critical current density at low-angle grain boundaries in $YBa_2Cu_3O_7$", Phys. Rev. **B77**, pp.132502, 2008.

Present total number 235

Patents

52 Japanese Patents and 3 US Patents:

INVITED CONFERENCE TALKS:
15 domestic and 30 international