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**Technical Lectures Held in FY 2005**
**Lectures in Overseas**

Period	Title	Occasion	Speaker	Organization
2005.7.5	Mechanical Preparation of Natural Graphite Particles for Anode Film of Lithium Ion Battery	International Conference on Materials for Advanced Technologies ICMAT 2005	Dr. Katsutomo Ohzeki Dr. Boris Golman Dr. Kunio Shinohara	Fine Materials & Components Division, Development Dept. Hokkaido University Hokkaido University
2005.9.14	Behavior of Powder Compacts of Metals and Alloys during Millimeter-wave Heating	10-International conference on Microwave and High Frequency Heating	Dr. Sadatsugu Takayama Dr. Motoyasu Sato Dr. G. Link S. Miksch Junichi Ichikawa	NIFSE NIFSE FZK FZK PM Research & Development Center
2005.10.2-5	Development of High Strength Sinter-hardening Steel	European Powder Metallurgy Association Euro PM 2005	Tadayuki Tsutsui Kei Ishii Itsuo Sato Junichi Uemura	PM Research & Development Center PM Research & Development Center Hitachi Koki Co., Ltd. Hitachi Koki Co., Ltd.

**Lectures in Japan**

Period	Title	Occasion	Speaker	Organization
2005.5.20	Current Status and Examples of Application of Sinter Diffusion Bonding	69th Meeting of Interfacial Bonding Research Committee, Japan Welding Society	Dr. Kazuo Asaka	PM Research and Development Center
2005.6.2	Development of Magnetic Fluid Dynamic Bearing (1st and 2nd Reports)	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Hidekazu Tokushima Katsutoshi Nii	New Business Development Office
2005.6.2	Investigation of High Density Green Compacts using Electromagnetic Compaction	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Dr. Katsuhiko Ueda Dr. Kazuo Asaka Dr. Lhoucine Azzi Dr. Sylvain Pelletier Dr. Terufumi Machida	PM Products Div., Overseas Business Promotion Dept. PM Research & Development Center CNRC CNRC Tamagawa University
2005.6.2	Results of Evaluation of Properties of Motors using PM Magnetic Core	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Dr. Chio Ishihara Dr. Kazuo Asaka Yuji Enomoto Motoya Ito	PM Research & Development Center PM Research & Development Center Hitachi Koki Co., Ltd Hitachi Koki Co., Ltd.
2005.6.2	Development of Sintered Fe-Ti Alloy Material with High Corrosion Resistance (2nd Report)	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Dr. Chio Ishihara Dr. Katsuhiko Ueda Dr. Kazuo Asaka Hirosugu Kono Tatsuro Araki	PM Research & Development Center PM Products Div., Overseas Business Promotion Dept. PM Research & Development Center Sumitomo Heavy Industries Techno-Fort Co., Ltd. Sumitomo Heavy Industries Techno-Fort Co., Ltd.
2005.6.3	Mechanical Properties of High Strength Sinter-Forging Aluminum Alloy	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Junichi Ichikawa	PM Research and Development Center
2005.8.25	Development of Powder Compacting Die Fitted with Al Alloy Die Holder	Japan Society for Technology of Plasticity East Kanto Block Members Meeting, South Kanto Branch, Japan Society for Technology of Plasticity	Dr. Yoshimi Sugaya	PM Research and Development Center

## Lectures in Japan (continued)

Period	Title	Occasion	Speaker	Organization
2005.9.9	Research on Powder Compacting Dies Aiming at Improving Productivity	Japan Society for the Technology of Plasticity Japan Society for the Technology of Plasticity, South Kanto Branch East Kanto Block Supporting Members' Roundtable	Dr. Yoshimi Sugaya	PM Research & Development Center
2005.9.12	Development of Valve Seat Insert Material for Automobile Engines	11th Conference for Presentation of Examples of PM Development, Japan Powder Metallurgy Association	Kunio Maki	PM Research & Development Center
2005.11.9	Gas Desorption by Electron Irradiation of Internal Coating Film of Braun Tubes	46th Associated Symposium on Vacuum, The Vacuum Society of Japan	Dr. Masao Hashiba Dr. Yuko Hirohata Dr. Tomoaki Hino Hidekazu Yamada  Akio Koide  Yoshihiro Kubota	Hokkaido University Hokkaido University Hokkaido University Fine Materials & Components Div., Technical Dept. Fine Materials & Components Div., Technical Dept. Fine Materials & Components Div., Technical Dept.
2005.11.14	Development of Valve Seat Insert Material for High Load Engines	Autumn Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Hideaki Kawata Kunio Maki	PM Research & Development Center PM Research & Development Center
2005.11.14	Development of Sintered Electromagnetic Stainless Steel Material (3rd Report)	Autumn Meeting of Japan Society of Powder and Powder Metallurgy, 2005	Dr. Chio Ishihara Jirou Shima Dr. Kazuo Asaka Tomoaki Fukuoka Atsushi Watanabe	PM Research & Development Center PM Products Div., Design Dept. PM Research & Development Center Nikki Co., Ltd. Epson Atmix Corporation
2005.11.16-18	Influence of Impregnated Oil on Sliding Property of Sintered Oil-Impregnated Bearings for Miniature Motors	Tokyo Autumn 2005 Tribology Conference, Japanese Society of Tribologists	Takeshi Yanase	PM Research & Development Center
2005.12.7	Charge/Discharge Cycle Properties of Lithium Ion Battery Negative Electrodes having Coated Film of Natural Graphite Particles with various Tapping Densities	2005 Annual Meeting, Carbon Society of Japan, Tokyo	Dr. Katsutomo Ohzeki Yoshie Ohsaki  Dr. Kunio Shinohara Dr. Boris Golman	Fine Materials & Components Div., Development Dept. Fine Materials & Components Div., Development Dept. Hokkaido University Hokkaido University

## Contributed lectures

Period	Title	Occasion	Speaker	Organization
2005.6	Features of Hitasol Conductive Coating for CRT Use	JETI Technische Instrumente GmbH, "JETI" June 2005	Koichi Sakai	Fine Materials & Components Div., Technology Dept.
2005.8	Production of Parts with Complex Shapes Using the CNC Press	"Soukeizai, August", Materials Process Technology Center (Sokeizai Center)	Tomoaki Arakawa	PM Products Div., Design Dept.
2006.1	Development of Shrinkage-fit Die Coated with Film Possessing Low Friction Coefficient for Compacting Metal Powders	"Sosei-to-kako", Journal of Japan Society for Technology of Plasticity	Dr. Yoshimi Sugaya	PM Research and Development Center
2006.1	Characterization of packing structure of tape cast with non-spherical graphite particle	ELSEVIER/CARBON	Dr. Katsutomo Ohzeki Dr. Boris Golman Dr. Kunio Shinohara Dr. Keisuke Kiyono	Fine Materials & Components Div., Development Dept. Hokkaido University Hokkaido University Hokkaido University
2006.1	Development of Powder Metallurgy – Contribution of Automotive Progress –	Journal of the Japan Society of Mechanical Engineers, January	Minoru Uchino	PM Research & Development Center
2006.1	Charge/Discharge Cycle Properties of Lithium Ion Battery Negative Electrodes having Coated Film of Natural Graphite Particles with various Tapping Densities	Journal of the Carbon Society of Japan, "Tanso (Carbon)"	Dr. Katsutomo Ohzeki Yoshie Ohsaki Dr. Kunio Shinohara Dr. Boris Golman	Fine Materials & Components Div., Development Dept. Fine Materials & Components Div., Development Dept. Hokkaido University Hokkaido University
2006.3	Densification of Neodymium Alloy/Epoxy Magnets by 2-Step Compacting	Journal of the Japan Society of Powder and Powder Metallurgy, "Powder and Powder Metallurgy"	Dr. Katsuhiko Ueda Dr. Kazuo Asaka Dr. Teruhuni Machida	PM Products Div., Overseas Business Promotion Dept. PM Research & Development Center Tamagawa University

Note: Speaker's organization as of January 2006.