

## Lectures in Overseas

Period	Title	Occasion	Speaker	Organization
4 Apr. 2006	Development of High Performance Valve Seat Insert Materials for Heavy-duty Engines	2006 SAE World Congress	Hideaki Kawata Kunio Maki	PM Research and Development Center PM Research and Development Center
24-28 Sept. 2006	Development of High Value Seat Insert Materials with Good Machinability	2006 Powder Metallurgy World Congress & Exhibition	Hideaki Kawata Kunio Maki	PM Research and Development Center PM Research and Development Center
24-28 Sept. 2006	Development of Conductive and Corrosive Resistant Paint Dispersed with Carbon Particle for Metal Separators of PEFC	2006 Powder Metallurgy World Congress & Exhibition	Masahiro Okahara	PM Research and Development Center
25 Sept. 2006	Development of the High Performance Thermoelectric Module for High Temperature heat sources	2006 Powder Metallurgy World Congress & Exhibition	Takahiro Jinushi Masahiro Okahara Mitsuru Kambe	PM Research and Development Center PM Research and Development Center Central Research Institute of Electric Power Industry
26 Sept. 2006	Development of Helical Groove Bush for Construction Machines	2006 Powder Metallurgy World Congress	Kazuo Maruyama Osamu Mawatari Hidekazu Tokushima Takeshi Yanase Kunio Maki	PM Research and Development Center Mechanical Parts Design Section PM Research and Development Center PM Research and Development Center PM Research and Development Center
26 Sept. 2006	Development of High Performance Valve Seat Insert Materials for Gas Engines	2006 Powder Metallurgy World Congress	Hideaki Kawata Kunio Maki	PM Research and Development Center PM Research and Development Center
26 Sept. 2006	Valve Seat Insert Material with Good Machinability	2006 Powder Metallurgy World Congress	Hideaki Kawata Kunio Maki	PM Research and Development Center PM Research and Development Center
26 Sept. 2006	The Development of High Contact Fatigue Strength P/M Sprocket for the Silent Chain	2006 Powder Metallurgy World Congress & Exhibition	Yuuji Yamanishi Tadayuki Tsutsui Kei Ishii	PM Research and Development Center PM Research and Development Center PM Research and Development Center
26 Sept. 2006	Development of Valve Seat Insert Material with Good Machinability	2006 Powder Metallurgy World Congress	Hideaki Kawata Kunio Maki	PM Research and Development Center PM Research and Development Center
27 Sept. 2006	Development of Superior Fe-Si Sintered Magnetic Cores Equivalent to Wrought Si-Steels	2006 Powder Metallurgy World Congress & Exhibition	Aya Hamano Dr. Chio Ishihara Dr. Kazuo Asaka	PM Research and Development Center PM Research and Development Center PM Research and Development Center
27 Sept. 2006	Test Results of SMC Cores as Some Types of Motor Cores	2006 Powder Metallurgy World Congress & Exhibition	Dr. Kazuo Asaka Dr. Chio Ishihara Yuuji Enomoto Motoya Itou	PM Research and Development Center PM Research and Development Center Hitachi, Ltd. Hitachi, Ltd.
23 Oct. 2006	Development of High Cr Sintered Stainless Steel with High Heat Resistance and Wear Resistance	FISITA 2006 World Automotive Congress Yokohama	Tatsuaki Yoshihiro Hideaki Kawata	PM Research and Development Center PM Research and Development Center

## Lectures in Japan

Period	Title	Occasion	Speaker	Organization
22 May 2006	Development of Synchronizer Hub with Complex Shape	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Harumi Tokita	2nd Automobile Mechanical Parts Design Section, Powdered Metals Products Division
22 May 2006	Development of Ultra-Machinable/High Wear Resistance Valve Guide Material	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Hiroki Fujitsuka	PM Research and Development Center
22 May 2006	Development of High Performance Multi-Lobe Dynamic Pressure Bearing using Sintered Material	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Hidekazu Tokushima	PM Research and Development Center
22 May 2006	Development of Carbon-based Electrical Conductive Corrosion Resistant Paint for Metal Separator Use	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Masahiro Okahara Zenzo Ishijima Minoru Shirahige	PM Research and Development Center PM Research and Development Center Fine Materials and Components Division

## Lectures in Japan (continued)

Period	Title	Occasion	Speaker	Organization
23 May 2006	Development of Fe-Si-based Sintered Magnetic Core with High Magnetic Flux Density/High Permeability	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Aya Hamano Dr. Chio Ishihara Dr. Kazuo Asaka	PM Research & Development Center PM Research and Development Center PM Research and Development Center
24 May 2006	Development of High Performance Thermoelectric Converter Module for High Temperature Use	Spring Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Takahiro Jinushi Masahiro Okahara Zenzo Ishijima Hideo Shikata Mitsuru Kambe	PM Research & Development Center PM Research & Development Center PM Research & Development Center Monozukuri Center Central Research Institute of Electric Power Industry
14 Oct. 2006	Material Properties and Examples of Trial Manufacture of Powder Magnetic Core for Motor Reactors	165th Meeting of the Japanese Institution of Power Electronics	Dr. Chio Ishihara Dr. Kazuo Asaka	PM Research & Development Center PM Research & Development Center
3 Nov. 2006	Development of Cu-Al <sub>2</sub> O <sub>3</sub> Lamellar Parts by MW Sintering	Japan Society of Electromagnetic Wave Energy Applications Preparatory Committee, 6th Symposium on Microwave Effects and Applications	Junichi Ichikawa	PM Research & Development Center
22 Nov. 2006	Development of Ultra-Machinable/High Wear Resistance Valve Guide Material	527th Research Work Shop	Hiroki Fujitsuka	PM Research & Development Center
6 Dec. 2006	Development of Long-Life EK Bush with Helical Groove	Fall Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Kazuo Maruyama Osamu Mawatari Kunio Maki	PM Research & Development Center Mechanical Parts Design Section PM Research & Development Center
6 Dec. 2006	Development of Valve Seat Insert Material with Excellent Machinability	Fall Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Hideaki Kawata Kunio Maki	PM Research & Development Center PM Research & Development Center
6 Dec. 2006	Development of Mechanical Fuse for Car Air-Conditioner Compressor	Fall Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Tadayuki Tsutsui Junichi Yamada	PM Research & Development Center 3rd Automobile Mechanical Parts Design Section, Powdered Metals Products Division
7 Dec. 2006	Results of Evaluation of Properties of Motors using Powder Magnetic Core (2nd Report)	Fall Meeting of Japan Society of Powder and Powder Metallurgy, 2006	Dr. Chio Ishihara Dr. Kazuo Asaka Yuuji Enomoto Motoya Itou	PM Research & Development Center PM Research & Development Center Hitachi, Ltd. Hitachi, Ltd.
23 Jan. 2007	Sintering-Forging Method for Aluminum Alloy Powders	Japan Society for Technology of Plasticity, South Kanto Branch, 22nd Technology Roundtable	Junichi Ichikawa	PM Research & Development Center
23 Jan. 2007	Effect of Densification and Heat Treatment Conditions on Contact Fatigue Strength	Japan Society for Technology of Plasticity, South Kanto Branch, 22nd Technology Roundtable	Tadayuki Tsutsui	PM Research & Development Center
7 Feb. 2007	Sintering-Forging Method for Aluminum Alloy Powders	Japan Society for Technology of Plasticity, Forging Section, 34th Forging Practice Work Shop	Junichi Ichikawa	PM Research & Development Center

## Contributed lectures

Period	Title	Occasion	Speaker	Organization
May 2006	Development of High Performance Silent Chain Sprocket by Powder Metallurgy Process	Shinjusha "Tribology," June issue	Yuuji Yamanishi Tadayuki Tsutsui Kei Ishii	PM Research and Development Center PM Research and Development Center PM Research and Development Center
June 2006	Introduction of dissertation "Analysis of Permeation and Penetration Mechanism of Irregular Shaped Particle Paint Film Based on Its Filling Structure and Application to Battery Electrode"	Society of Powder Technology, Japan Journal of the Society of Powder Technology	Katsutomo Oozeki	Fine Materials and Components Division
Oct. 2006	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, series (July, 2007 issue)	Dr. Kazuo Asaka	PM Research and Development Center
Feb. 2007	Powder-Sintering Diffusion Bonding Technology	"Sosei-to-kako"	Dr. Yoshimi Sugaya Yoshinobu Motohashi	PM Research and Development Center Ibaraki University
Mar. 2007	Development of Mechanical Fuse for Car Air-Conditioner Compressor	Journal of the Japan Society of Powder and Powder Metallurgy, "Powder and Powder Metallurgy"	Tadayuki Tsutsui Junichi Yamada Akira Kishibuchi Kunihiro Kodama	PM Research & Development Center 3rd Automobile Mechanical Parts Design Section, Powdered Metals Products Division Denso Corporation Denso Corporation

Note: Speaker's organization as of January 2007.