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Press Release

July 20, 2006

MTTRF Annual Convention and Awards Ceremony

On the 6th and 7th of July 2006, the MTTRF (Machine Tool Technologies Research Foundation) Annual Convention and Awards Ceremony were held at the InterContinental MARK HOPKINS, San Francisco, California, USA.

The MTTRF was established in October 2002 to promote research activities throughout the world by providing aid to people engaged in research and development of innovative technology regarding machine tool systems at universities and public research organizations. It is a non-profit organization approved by the United States government. The chairman is Prof. Kazuo Yamazaki of University of California, Davis, and our company's President, Dr. Masahiko Mori, and Managing Director, Dr. Makoto Fujishima, are executive board members.

Approximately 80 researchers gathered for the meeting, and a variety of lectures were given by machine tool researchers from all over the world during the 2 days, including one by our president, Dr. Mori, under the theme of "Challenges and Needs of Mori Seiki, The Machine Tool Company."

After the meeting, in order to promote friendly relations, a dinner cruise was held on San Francisco Bay for 3 hours.

Next year's Annual Convention and Awards Ceremony are scheduled to be held at Mori Seiki's Seminar House in Tateshina, Nagano on July 11 and 12, 2007.

【This Year's Awards】

Service Award	Professor Marvin DeVries	University of Wisconsin, USA	
Equipment Loan Award	Professor Yusuf Altintas	University of British Columbia, Canada	
	(Leased Machines: Horizontal	Machining Center)	
Equipment Loan Award	Professor Fujishiro Aoyama	Keio University, Japan	
	(Leased Machines: Vertical Ma	achining Center)	
Equipment Loan Award	Professor David Dornfeld	University of California, Berkeley, USA	
	(Leased Machines: Vertical Machining Center)		
Equipment Loan Award	Professor Atsushi Matsubara	Kyoto University, Japan	
	(Leased Machines: Vertical Machining Center)		
Equipment Loan Award	Professor Toshimichi Moriwaki	i Kobe University, Japan	
	(Leased Machines: 5-axis Mac	chining Center)	
Equipment Loan Award	Professor Mustafizur Rahman	National University of Singapore, Singapore	
	(Leased Machines: Vertical Machining Center)		
Equipment Loan Award	Professor Yoshimi Takeuchi	Osaka University, Japan	
	(Leased Machines: 5-axis Machining Center)		
Equipment Loan Award	Professor Takashi Ueda	Kanazawa University, Japan	
	(Leased Machines: Vertical Machining Center)		
Equipment Loan Award	Professor Joao Oliveira	Jniversity de Sao Paulo, Brazil	
	(Leased Machines: Vertical Ma	achining Center)	

[Photo]



[Lectures]

Influences of Downsized Design for Machine Tools on the Environmental Impact Keio University Professor Aoyama Micro Machining of Glass with Micro End Mill Keio University Professor Kakinuma Influence of MQL on Cutting Tool in Temperature Kanazawa University Professor Ueda Micro Machining and Burr Formation for Precision Components California University, Berkeley Professor Dornfeld On the Estimation of Cutting Forces and Their Control in End Milling Processes Kyoto University Professor Ibaragi Effects of Coolant Supply Strategies and Cutting Conditions on Tool Life in End Milling Titanium Alloy Singapore University Professor Rahman Influence of Tool Engagement and Size Effect on Tool Wear in Micro Machining Singapore University Professor Rahman Virtual Simulation and Optimization of Milling Processes Vancouver University Professor Altintas Tool Altitude Determination of 5-Axis Control Machining on the Basis of Area Division Method Osaka University Professor Takeuchi A Study on Circular Vibration Ball End Milling for Dies and Molds Kobe University Professor Moriwaki Nucleus for Advanced Manufacturing University of Sao Paulo Professor Oliveira

OMNI-CNC/ MTTRF ANNUAL MEETING 2006 PROGRAM

July 6, 2006 (Thursday)

0.00 - 9.00 Registration	8:00	- 9:00	Registration
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9:00 – 9		Welcome speech F CEO and President of MTTRF	Prof. Yamazaki	, K.
9:20 - 1	0:20	Technical Presentations on OMNI-CNC Project	t	
09	9:20 - 09:40	A System Design Study of the OMNI-CNC High Perf	formance Core	Dr. Liu, Y.
09	9:40 - 10:00	A Study on Universal OMNI-CNC NC Program Proce	essor	Dr. Guo, X.
10	0:00 - 10:20	Study on Performance Enhancement of OMNI-CNC Controller by means of FPGA	Motion	Dr. Li, W.

10:20 - 10:50 Coffee Break

10:50 - 12:10 Technical Presentations

10:50 - 11:20	Design of OMNI-Vision System	Dr. Tian, X. Mr. Deng, H.
11:20 - 11:40	Study on High Productive Surface Finishing By Electron Bear Irradiation with Vibration Assistance	m Dr. Wang, Z.
11:40 - 12:00	A Fundamental Study on EDM Machinability of Difficult-to-Ma Materials	Achine Mr. Fonda, P.
12:00 - 12:10	Development of 5-Axis Linear Motor Driven Super-Precision Machine	Mr. Soshi, M.
12:10 - 12:20	Concluding Address	Prof. Yamazaki, K.

- 12:20 14:00 Lunch
- 14:00 14:10 MTTRF Opening Address and Annual Activity Report Prof. Yamazaki, K.

14:10 - 15:10 Foundation Lectures

14:10 - 14:40	Challenges and Needs of Mori Seiki, The Machine Tool Company	Dr. Mori, M., President of Mori Seiki, Co., Ltd.
14:40 -15:10	Research and Engineering Activities and Future Needs in Machine Tool Technologies - DTL View -	Mr. Hansel, A.

15:10 - 15:40 Coffee break

15:40 - 17:10 Lectures by guests

15:40 - 16:10	Influences of Downsized Design for Machine Tools on the Environmental Impact	Prof. Aoyoma, T.
16:10 - 16:40	Micro Machining of glass with Micro End Mill	Dr. Kakinuma, Y.
16:40 - 17:10	Influence of MQL on Cutting Tool in Temperature	Prof. Ueda, T.

18:00 - 21:00 Banquet

18:45 - 22:00 Sunset cruise

July 7, 2006 (Friday)

08:00 - 09:00 Registration				
09:00 - 09:30	09:00 - 09:30 Service Award Reception (Presentation by Prof. DeVries)			
09:30 – 10:30 09:30 - 10:00 10:00 - 10:30	g and bailt i office		Prof. Dornfeld, D. Dr. Ibaraki, S.	
10:30 - 11:00	Coffee Break			
11:00 - 12:00	Lectures by guests			
11:00 - 11:30	Effects of Coolant Supply Strateg Tool Life in End Milling Titanium		Prof. Rahman, M.	
11:30 -12:00	Influence of Tool Engagement ar Micro Milling	nd Size Effect on Tool Wear in	Prof. Rahman, M.	
12:00 - 13:30	Lunch			
13:30 - 14:30	Lectures by guests			
13:30 - 14:00	Virtual Simulation and Optimization	on of Milling Processes	Prof. Altintas, Y.	
14:00 - 14:30	 Tool Attitude Determination of 5- on the Basis of Area Division Me 		Prof. Takeuchi. Y.	
14:30 - 15:00	Coffee Break			
15:00 - 16:00 Lectures by guests				
15:00 - 15:30	A Study on Circular Vibration Bal Molds	I End Milling for Dies and	Prof. Moriwaki, T.	
15:30 - 16:00	Nucleus for Advanced Manufactu	iring	Prof. Oliveira, J.	
16:00 - 16:20	Concluding Address	Dr. Masahiko Mori, Director Prof. Kazuo Yamazaki, Pre		
16:20 - 16:30	Taking Photographs			