

Press Release

July 10, 2015

MTTRF Annual Meeting

An annual general meeting of MTTRF, whose operation DMG MORI CO., LTD. (hereafter “the company”) participates in as the principle supporting company, was held at the InterContinental Mark Hopkins Hotel in San Francisco, California, USA from June 30 to July 2, 2015, with the attendance of around 80 machine tool researchers from countries worldwide.

At the general meeting, “Integration of Global Machine Tool Companies “, a lecture by the president of the company, Dr. Masahiko Mori, was followed by the presentations on the cutting edge research results that will have a great influence on the future development of machine tools and machining technology.

The company will continue its activities to assist research on a global scale, including providing machine tools, for universities and public research institutions that research and develop innovative technology relating to machine tools.

* MTTRF (the Machine Tool Technologies Research Foundation) is a non-profit foundation approved by the United States government and established through contribution of basic financial resources by DMG MORI CO., LTD. in October 2002. (then, MORI SEIKI CO., LTD.). Its President is Dr. Kazuo Yamazaki, Professor of the University of California, Davis and Berkeley, and Dr. Masahiko Mori, President of DMG MORI CO., LTD., and Mr. Natsuo Okada, Advisor of DMG MORI CO., LTD., serve as Directors.

< Contents of MTTRF Annual Meeting >

1、Development of SmartSCALE

(Mr. Shigeaki Maruyama/ Magnescale Co.,Ltd.)

2、Thermal error reduction for 5-axis machine tools

(Professor K. Wegener/ETH Zurich/Switzerland)

3、Energy Saving Control for Contouring Motion of Machine Tools

(Professor N. Uchiyama/Toyohashi University of Technology/Japan)

4、Update on Manufacturing Education Courses and Programs at UC Davis

(Professor M. Soshi/University of California Davis/USA)

- 5、Development of flexible CAPP system based on 3D CAD model of product to support agile machining operation
(Professors K. Shirase and R. Sato/Kobe University/Japan)
- 6、ESPRIT Update
(Mr. D. Frayssinet/CEO/ D.P. Technology Corp.)
- 7、Laser Technology for Advanced Manufacturing and Medical Applications
(Mr. M. Ota/IMRA America, Inc.)
- 8、MTTRF Equipment Loan Research and Education at UW-Madison
(Professor F. Pfefferkorn/University of Wisconsin Madison/USA)
- 9、An explorative study of High-Speed Incremental Sheet Forming on a Mill-Turn center
(Professor B. Lauwers/Katholieke Universiteit Leuven/Belgium)
- 10、Accuracy of finished test piece on multitasking machine tool
(Professor Y. Ihara/Osaka Institute of Technology/Japan)
- 11、Cutting Characteristics of PVD Coated Carbide End Mills Deposited by Filtered Arc Deposition (FAD) Method
(Professor A. Hosokawa/ Kanazawa University/Japan)
- 12、Quality improvement of gears and large gear segments manufactured by indexing generation milling
(Professor G. Goch/ University of Bremen/Germany)
- 13、A Generalized Data-Driven Energy Prediction Model with Uncertainty for Precision Machine Tools
(Professor D. Dornfeld/University of California Berkeley/USA)
- 14、Acoustic compensation for chatter detection
(Professor G. Campatelli/ University of Florence/Italy)
- 15、1. UCD Teaching and Research Report
2. An Assessment of Medical Grade Cobalt Chromium Alloy ASTM 1537 as a "Difficult-to-Cut (DTC)" Material
(Professor G. Byrne/University of Dublin/Ireland)
- 16、Precision machining of aluminum and cast iron material combination with a long overhanging boring tool
(Professor F. Bleicher/Vienna University of Technology/Austria)

