

**Press Release**

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July 19, 2017

**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 July 6 to 7, 2017, with the attendance of around 70 machine tool researchers from countries worldwide.

At the general meeting, “DMG MORI, the Total Solution Provider “, 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., serves as one of Directors.

< Contents of MTTRF Annual Meeting >

1. Study on Calibration Methods for High Performance Planar Grid Scale  
K. Taniguchi, H. Tamiya, K. Yamazaki, H. Aoyama
2. Progress of Development on New Magnetic Linear Scale for Machine Tools  
S. Maruyama, K. Taniguchi, T. Fujimori, K. Yamazaki, H. Aoyama
3. New Application Technologies in Medical Field on DMG MORI SPRINT Swiss Type Lathe  
F. Ringolone, J. Sheffield
4. Programming and Controlling the Scanning Laser Hardening Process, Applied on Complex Shaped Components on a Multi-axis Machining Center  
J. Bouquet, B. Peeters, S. Helsen, K. Mielnik, B. Lauwers

5. Characterization of Tool-Chip Interface Temperature Measurement with Thermocouple Fabricated Directly in the Rake Face  
S. Kesriklioglu, C. Authur, J. Morrow, F. Pfefferkorn
6. Motion analysis of S-Shape Maching Test  
R. Sato, K. Shirase, Y. Ihara
7. Surface Texture Control by Turn-Mill Process Using Ball Endmill  
Y. Ihara, K. Tsuji, S. Kaibu
8. Thin Walled Machining Optimization for Additive Manufactured Components  
F. Montevicchi, A. Scippa, N. Grossi, G. Campatelli
9. High-quality End Milling of CFRP – Detection of Gas Generated in Cutting and Tensile Testing of Milled Plate  
Turning of Difficult-to-machine Materials with High Pressure Coolant  
A. Hosokawa, T. Koyano, Y. Kobayashi, Y. Nomura
10. Energy Saving and High Precision Control for Machine Tool Feed Drive Systems  
N. Uchiyama, R. Izumi, H. Noguchi
11. Development of a Grid Based Injection Mold by Hybrid Manufacturing  
M. Soshi, J. Ring, C. Young
12. Investigation of the Dynamic Behavior in Drilling with Indexable Insert Drills and Influence of the Contact Energy on Surface Modification by Machine Hammer Peening  
F. Bleicher, J. Brief, S. Krall, D. Nikolaev, M. Reiter, A. Steininger
13. Tool Path Planning Strategies for a Cobalt Chromium Alloy Orthopaedic implant  
S. Baron, G. Byrne, E. Ahearne
14. A Novel Method for Internal Gear Manufacturing and High Speed Machining of Thin Walled Components  
J. Groover, T. Schmitz, A. Honeycutt, G. Goch
15. Thermo-Energetic Issues in 5-axis Machine Tools  
S. Züst, P. Blaser, J. Mayr, W. Knapp, K. Wegener



Group Photo at MTTRF Annual Meeting