

**The 7th International Conference on  
Leading Edge Manufacturing in 21st Century**  
*November 7(Thr.) to 8(Fri.), 2013, Matsushima, Miyagi, Japan*



**Topics and fields:**

- Advances in Cutting and Abrasive Machining Technologies  
(New Tools and Tool Materials, Machining of Advanced Materials, High Speed Machining, etc.)
- Advances in Physical and Chemical Processing  
(Laser Processing, Electrical Machining, Coating Technologies, Electron / Ion Beam Processing etc.)
- Ultra Precision Machining and Fabrication
- Nano / Micro Manufacturing and Measurement
- Environmentally Conscious Manufacturing
- Rapid Prototyping
- Die and Mold Manufacturing Technologies
- Advanced Machine Tools and Machine Elements  
(Multi-function Machine Tools, Multi-axis Control, Intelligent Machine Tools, CAM, Monitoring, etc.)
- Ultra Precision Positioning, Control and Metrology
- Micro Machines, Systems and Intelligent Instruments
- Digital Design and Manufacturing  
(Precise and Fast CAE Method, Visualization Technology, Physical Manufacturing Simulation, etc.)
- Evolutions Based on System Engineering for Next-generation Manufacturing Systems  
(Scheduling, CAPP, Life Cycle Assessment, etc.)
- Other Manufacturing-related Technologies