List of keynote lecturers and invited young researchers/engineers (tentative)

**Keynote lectures:**

- Prof. N. Bay (Technical University of Denmark, Denmark); Modelling and testing of friction and lubrication in metal forming.
- Prof. K. Osakada (Osaka University, Japan); Recent research and development of precision forging in Japan.
- Prof. T. Nakamura (Shizuoka University, Japan); Evaluation of tribological characteristics by forging type friction tests.
- Prof. R. Kopp (University of Technology Aachen, Germany); Metal forming striking new paths.
- Prof. K. Kuzman (University of Ljubljana, Slovenia); Some contributions to the stability of cold forming processes.
- Prof. C-G. Kang (Pusan National University, Korea); Forging process simulation and casting tool design rules for rheology forming.
- Prof. T. Ishikawa (Nagoya University, Japan); Prediction of dimensional difference of product from tool in cold forging.
- Prof. T. Altan (The Ohio State University, USA); Application of technology to compete successfully in precision forging.
- Prof. K. Kondo (Toyota Technological Institute, Japan); Net shape forging of an external helical gear with boss and internal spline.
- Dr. S. Fujikawa (Nissan Motor Corp., Japan); Digital innovation for forging processes.
- Mr. S. Enomae (Komatsu Industries Corp., Japan); Technology and application of free motion press.
- Mr. T. Shimizu (Daido Steel Co., Ltd., Japan); Effect of carbide morphology on material property of forging die steels.
- Mr. M. Yasuoka (Nachi-Fujikoshi Corp., Japan); Method and application of hard coatings.

**Oral presentations of young researchers/engineers:**

- Mr. M. Shirgaokar (The Ohio State University, USA); Analysis of the double cup extrusion test for evaluation of lubricants.
- Dr. H-S. Lin (Southern Taiwan University of Technology, Taiwan); Applications of hole flanging with counter-pressure: gear-shape forming and edge sizing.
- Mr. A. Specker (Institute for Integrated Production Hannover, Germany); Flashless precision forging of flat long pieces.
- Mr. A. Putz (University of Erlangen-Nuremberg, Germany); Industrial ceramics in cold forging: increasing surface quality and dimensional accuracy.
- Dr. A. Ghiotti (University of Padova, Italy); Stiffness and contact-time of presses in forging operations.
- Dr. Y. Gladkov (Bauman Moscow State Technical University, Russia);
Hot-die forging press with adaptive CNC for hot-die precision forging.

Mr. R. Schramme (Hirschvogel Umformtechnik GmbH, Germany);
Recent developments and trends in manufacturing of precision forging dies by high-speed cutting.

Mr. S. Masera (Iskra Avtoelektrika d.d., Slovenia);
Analysis of cold forging parameters with Taguchi methods.

Mr. M. Nakasaki (Sanyo Special Steel, Japan);
Process improvements of hot forging with hub bearing parts by applying 3-D CAE analysis.

Dr. D. Breuer (University of Technology Aachen, Germany);
Prediction of ductile fracture in cold forming processes with the finite element method and artificial neural network.

Dr. T-W. Ku (Pusan National University, Korea);
Numerical analysis and design of pinion with inner helical gear by FEM.

Mr. A. Lenhard (Universidade Federal do Rio Grande do Sul, Brazil);
Method to estimate workpiece-die heat transfer coefficient on precision warm forging process.

**Poster presentations of young researchers/engineers:**

Dr. D.D. Olsson (Technical University of Denmark, Denmark);
Methodology for prediction of limits of lubrication in a bulk metal forming operation.

Dr. S. Bruschi (University of Padova, Italy);
Prediction of geometrical distortions and microstructural characteristics for net-shape forging of metal components.

Dr. X. Wang (Harbin Institute of Technology, China);
Research on upsetting rings of 7075 aluminum alloy with different sections surrounded liquid pressure.

Mr. D. Yu (Shanghai Jiaotong University, China);
A study on KBS for precision forging process.

Mr. E. Murai (Daido Institute of Technology, Japan);
Effect of billet-height on load and metal flow in combined extrusion.

Mr. K. Haueussler (ThyssenKrupp Presta AG, Germany);
Improvement of service life of cold forging tools - aspects of structural FEM analysis, material selection and tool manufacturing.

Dr. X. Wang (Nagoya University, Japan);
Cold precision forging bevel gear with numerical method.

Dr. C. Park (Samsung Corning Precision Glass Co. Ltd., Korea);
An adaptive refinement technique of all hexahedral element mesh for analysis of bulk metal forming process.

Mr. M. Fujiwara (Daido Steel Co., Ltd., Japan);
Development of precision warm forging process of 17-4ph stainless steel using ausforming.

Ms. M. Loh-Mousavi (Toyoohashi University of Technology, Japan);
Experimental study and three dimensional simulation of hot closed-die upsetting by the finite element and the finite volume methods.

Mr. C. Önder (Norm Civata A.S., Turkey)
Anomalies in forward rod extrusion process.

Mr. C.J. Tan (Toyoohashi University of Technology, Japan);
Increase in wall thickness around corner of multi-stage compressed cup with flange by axial compression.

Ms. K. Jackson (Pembroke College, UK);
Incremental sheet forming research at Cambridge University.

Mr. A. Petek (University of Ljubljana, Slovenia);
Small quantity production by incremental forming.
Mr. W. Hussnaetter (University of Erlangen-Nuremberg, Germany);
Experimental setup for determination of yield loci—demands for accuracy.

Dr. G. Gantar (University of Ljubljana, Slovenia);
Increasing the stability of forging processes.

Ms. L. Zhou (Chinese Academy of Sciences, China);
Study of the process of hot extrusion of near β Ti-alloy.