

CONFERENCE PROGRAM		JUNE 21, 2007 THURSDAY	
15:00-18:30		REGISTRATION-CONFERENCE CENTER	
19:30-21:00		WELCOME RECEPTION-GERENCE TERRACE	
CONFERENCE PROGRAM		JUNE 22, 2007 FRIDAY	
8:45-9:30		OPENING SESSION: BALLROOM	
		KEYNOTE SESSION	
		BALLROOM	
9:30-10:30	<p><b>DM-94:</b> New Technologies to Form Light Weight Automotive Components <i>H.Palaniswamy, A.Yadav, S. Kaya, T.Altan</i></p> <p><b>DM-95:</b> UBC Virtual Machining System <i>Y. Altıntaş</i></p>	Chairman: B.Kaftanoğlu	
10:30-10:50	<b>ROOM: GERENCE 1</b>	<b>COFFEE BREAK</b>	<b>ROOM: GERENCE 2</b>
		<b>COFFEE BREAK</b>	
			<b>ROOM: DENİZ KIZI 1</b>
10:50-12:20	<p><b>Sheet Metal Forming</b></p> <p><b>DM-01:</b> Forming Limit Strain Predictions of High-Strength Steels <i>M. Firat</i></p> <p><b>DM-02:</b> An Analysis of Sheet Metal Deformations Inside the Drawbead Element <i>M. Firat</i></p> <p><b>DM-03:</b> A Sensitivity Analysis of Springback Deformations in Stamping Process <i>M. Firat, O.H.Mete, U.Kocabicak</i></p> <p>Chairman: F.Micari</p>	<p><b>Cutting / Milling / Machining</b></p> <p><b>DM-08:</b> Modern Machining Techniques for Mouldmaking <i>S. Docker, P.J. Dickin</i></p> <p><b>DM-14:</b> Cutting Force Prediction of Plunge Milling Operation Using Different Configurations of Cutter Immersion <i>M. Al-Ahmad, A. D'acunto, P. Martin</i></p> <p><b>DM-30:</b> Tool Wear in Trochoidal Hard Milling <i>M. Otkur, I. Lazoglu</i></p> <p>Chairman: Y.Altıntaş</p>	<p><b>Casting / Welding</b></p> <p><b>DM-09:</b> Using Stress Simulation to tackle Distortion and Cracking in Castings <i>A. Egner-Walter, Marc Kothen</i></p> <p><b>DM-93:</b> A Practical and Mathematical Approach to Arc Length Control in Automation of TIG Welding Process <i>R.Narimani, M.R.Karafi</i></p> <p><b>DM-19:</b> Improvement of Fatigue Strength of Welded Joints in Stainless Steel by Ultrasonic Peening <i>A. Abdullah, A. Pak, M. Shalvandi</i></p> <p>Chairman: M. Akkök</p>
12:20-14:00	LUNCH- Petunya		
14:00-15:30	<p><b>Sheet Metal Forming</b></p> <p><b>DM-15:</b> Modeling of Deep-Drawing by Finite Element Method for Die Design <i>B.Kaftanoglu, M.A.Piskin</i></p> <p><b>DM-27:</b> Applications of Folding Flat Sheets of Materials into 3-D Intricate Engineering Designs <i>E. A. Elsayed, Basily B. Basily</i></p> <p><b>DM-77:</b> On the Springback Prediction in Industrial Air Bending Sequences <i>L. Fratini, G. Ingarao, F. Micari.</i></p> <p>Chairman:T.Altan</p>	<p><b>Cutting / Milling / Machining</b></p> <p><b>DM-31 :</b> High Precision Infrared Thermal Measurements in Orthogonal Machining <i>C. Dinc, I. Lazoglu, A. Serpenguzel</i></p> <p><b>DM-33 :</b> Surface Integrity of Thin-walled Titanium parts Machined by Peripheral Milling <i>M. Kazemi, B. Jabbari Poor , M. H. Sadeghi, B. Moetakef Imani</i></p> <p><b>DM-37 :</b> Modelling and Simulation of Micro-Milling Process <i>T. Özel, X. Liu, A. Dhanorker</i></p> <p>Chairman: E. Budak</p>	<p><b>Finishing / Ultrasonic Cleaning / Carbide</b></p> <p><b>DM-51 :</b> Multi-axes Finishing of Free Formed Ceramic Implant Surfaces <i>B.Denkena, M. Reichstein, M. van der Meer, S. Ostermeier, C. Hurschler</i></p> <p><b>DM-71 :</b> Effect of beating phenomenon on the erosion in Ultrasonic Cleaning systems <i>Y. Hojjat, M. H. Azhdast</i></p> <p><b>DM-86 :</b> Single-Point Cutting of Tungsten Carbide Using a Solid-Type CVD Diamond Tool <i>J. Tamaki, Y. Yukimura, T. Sugino, A. Kubo</i></p> <p>Chairman: N. Kramer</p>
15:30-15:50	COFFEE BREAK		
15:50-17:50	<p><b>Extrusion / Forging / Tube &amp; Roll Forming</b></p> <p><b>DM-97:</b> Finite Element Simulation of Flexible Roll Forming: A Case Study on Variable Width U Channel <i>E. Gülçeken, A. Abeé, A. Sedlmaier, H. Livatyali</i></p> <p><b>DM-63:</b> Numerical Analysis and Physical Modeling of Precision Forging Process for Cross Groove Inner Race <i>M. H. Sadeghi, Y. Parseh, S. Mazdak</i></p> <p><b>DM-72:</b> Collapsible Aluminum Tube Forming Simulation <i>M. Z. Forootan, M. Sajjadi, S. Serajzadeh</i></p> <p><b>DM-62:</b> Critical Die Failure Types for Hot Aluminum Extrusion <i>A.F.M.Arif, S. Akhtar, A. K. Sheikh</i></p> <p>Chairman: M.Firat</p>	<p><b>Cutting / Milling / Machining</b></p> <p><b>DM-40 :</b> Investigating Stability Limits in High Speed Milling of Titanium Thin-Walled Parts <i>M. Kazemi, B. Jabbari Poor , B. Moetakef Imani, M. H. Sadeghi</i></p> <p><b>DM-41 :</b> A New Mathematical Model to Optimize the Total Cost of Machining Process for Cylindrical Parts <i>S.Dadvandipour, R.Meshkabadi</i></p> <p><b>DM-50 :</b> Effect of Feed Rate and Tool Materials on Drilling of Bulk Metallic Glass at Low Spindle Speed <i>M. Bakkal, V. Naksiler</i></p> <p><b>DM-96 :</b> Transient Temperature Effects in Hot-wire Plastic Foam Cutting <i>D.Aitchison, J.Bain, H.Brooks, A.Posthuma, M.Taylor</i></p> <p>Chairman: İ. Lazoğlu</p>	<p><b>Laser / EDM</b></p> <p><b>DM-04 :</b> Parameter Study for Selective Laser Erosion <i>J.P.Kruth, E.Yasa, J.Van Vaerenbergh</i></p> <p><b>DM-34 :</b> Analysis of Machining Conditions in Electrical Discharge Machining of Tungsten Carbide (WC-10%Co) <i>Mohammad R. Shabgard, Mahdi R. Farahmand</i></p> <p><b>DM-42 :</b> TGM Laser Forming Process for Sheet Metals Using Experimental and FEM Analysis Approach <i>H. Moslemi Naeini, V. Panahzadeh, S. Mazdak, H. Mousavi</i></p> <p>Chairman: E. A. Elsayed</p>
EVENING	FREE		

<b>JUNE 23, 2007 SATURDAY</b>			
<b>HOURS</b>	<b>ROOM: GERENCE 1</b>	<b>ROOM: GERENCE 2</b>	<b>ROOM: DENİZ KIZI 1</b>
9:00-10:30	<p style="text-align: center;"><b>Extrusion / Forging / Tube Forming</b></p> <p><b>DM-75:</b> Extrusion Die Design for the Shaped Sections with Larger Dimensions than the Initial Billet <i>K.Abrinia, M.Makaremi.</i></p> <p><b>DM-76:</b> Forming of Thick Sectioned Tubes Using the Upper Bound Analysis <i>H.R.Farahmand, H.Moslemi Naeini, K.Abrinia.</i></p> <p><b>DM-79:</b> Forging Simulation at Izeltas <i>E. Arbak, S. Ünal, L. Boylu, İ. Erzincanlı, A. E. Tekkaya</i></p> <p style="text-align: center;"><b>Chairman: H. Livatyali</b></p>	<p style="text-align: center;"><b>Cutting / Milling / Machining</b></p> <p><b>DM-58 :</b> Multi Purpose Vibration Sensor for Cutting Process Monitoring and Optimisation <i>I.M. Kenter, K. Torn-Leuenroth</i></p> <p><b>DM-88 :</b> Experimental Analysis and Modeling of Orthogonal Cutting Using Material and Friction Models <i>E. Ozlu, E. Budak</i></p> <p><b>DM-89 :</b> Machining Parameter and Strategy Selection in Multi Axis Milling of Sculptured Surfaces <i>E.Ozturk, L.T.Tunc, E.Budak</i></p> <p style="text-align: center;"><b>Chairman: T.Özel</b></p>	<p style="text-align: center;"><b>EDM / Materials</b></p> <p><b>DM-65 :</b> A Study on Surface Roughness, Roundness and Material Removal Rate in Cylindrical Wire Electrical Discharge Turning (CWEDT) Based on Statistical Analysis <i>M.J.Haddad, A.Fadaei Tehrani, A.Mohammadi, F.Alihosseini</i></p> <p><b>DM-12 :</b> Review of Warm Forming of Aluminium-Magnesium Alloys <i>S. Toros, F. Öztürk, İ. Kaçar</i></p> <p style="text-align: center;"><b>Chairman: P.-F. Brenner</b></p>
<b>10:30-10:50 COFFEE BREAK</b>			
10:50-12:20	<p style="text-align: center;"><b>Inspection / Quality Control / Optical Measurement</b></p> <p><b>DM-74 :</b> Shortening of Inspection Processes by Virtual Reverse Deformation <i>A. Weckenmann, J. Weickmann, N. Petrovic</i></p> <p><b>DM-83 :</b> Quality Control of Coordinate Measuring Machines by Calibrated Parts <i>A. Weckenmann, P.-F. Brenner</i></p> <p><b>DM-98 :</b> Optical Measuring Technologies in Sheet - metal Processing <i>K. Galanulis</i></p> <p style="text-align: center;"><b>Chairman: J.Hornych</b></p>	<p style="text-align: center;"><b>Machine Tools / Robots</b></p> <p><b>DM-17 :</b> Analysis, Modelling and Simulation of Machine tool Feed Drive Systems Using for On-Line Tool Flank Wear Estimation in Turning <i>B.Rohani, B.Lotfi,R.Jafari Khushemehr</i></p> <p><b>DM-20 :</b> Kinematic Analysis of a Novel Spherical Parallel Mechanism <i>Ö. Kilit</i></p> <p><b>DM-23 :</b> Design of an Improved Kinematic Controller for Hexapod Machine Tools <i>M.Mahboubkhah, M.J.Nategh,S.Esmaeilzade, Khadem</i></p> <p style="text-align: center;"><b>Chairman: A. G. Ulsoy</b></p>	<p style="text-align: center;"><b>Die / Tool Industry</b></p> <p><b>DM-13 :</b> Business Models for Technology-supported, Production-related Services of the Tool- and Diemaking Industry <i>G.Schuh, C.Klotzbach, F.Gaus</i></p> <p><b>DM-18 :</b> A New Approach on the Integration of CAPP and PPS Using Johnson's Algorithms <i>S.Dadvandipour, B. Lotfi Sadigh, B.Ruhani</i></p> <p style="text-align: center;"><b>Chairman: B.Kayis</b></p>
<b>12:20-14:00 LUNCH- Petunya</b>			
14:00-15:30	<p style="text-align: center;"><b>Die / Tool Manufacturing</b></p> <p><b>DM-49 :</b> Manufacturing of Ceramic Reinforced High Precision Forging Dies <i>B. Denkena, N. Kramer, B.-A. Behrens, M. Bistron, Fr.-W. Bach, K. Möhwald, T. A. Deißer</i></p> <p><b>DM-52 :</b> Design and Manufacture of Modular Forging Dies for Axisymmetric Workpieces <i>B.Sadegh-Ghomi, M.J.Nategh</i></p> <p><b>DM-53 :</b> Optimum Shape Design of Die and Preform for Improved Hardness Distribution in Cold Forged Parts <i>H. Tumer, F.O. Sonmez.</i></p> <p style="text-align: center;"><b>Chairman: M. Akkök</b></p>	<p style="text-align: center;"><b>Machine Tools / Robots</b></p> <p><b>DM-26 :</b> A study on the Volume of Hexapod Machine Tool's Workspace <i>D. Karimi, M.J. Nategh, A. Mofidi</i></p> <p><b>DM-36 :</b> Elimination of Thermal Deformations Due to CNC Machine Tool Spindles <i>J.Vyroubal</i></p> <p><b>DM-46 :</b> Machine Tools' Sensitivity of the Thermal Circumambient Conditions in the Light of Manufacturing Accuracy <i>J.Hornych</i></p> <p style="text-align: center;"><b>Chairman: M. H. Sadeghi</b></p>	<p style="text-align: center;"><b>Die / Tool Industry</b></p> <p><b>DM-73 :</b> Set-Up Reduction in Injection Molding Process – A Case Study in Packaging Industry <i>B.Kayis, S. Kara</i></p> <p><b>DM-82 :</b> Cost Calculation of Dies and Molds: Challenges, Developments and Future Trends <i>S. Tuemis</i></p> <p style="text-align: center;"><b>Chairman: I.M. Kenter</b></p>
<b>15:30-15:50 COFFEE BREAK</b>			
15:50-17:50	<p style="text-align: center;"><b>Die / Tool Manufacturing</b></p> <p><b>DM-54 :</b> Investigating and Improving of the Microstructure and Chemical Compositions of Glass Dies <i>E.Haddadi, M.B.Aghesmaeili.</i></p> <p><b>DM-60 :</b> Ceramic Adapted Tool Design in Cold Forging – Consideration of Thermal Effects on Prestressing System <i>M. Arbak, U. Engel, M. Geiger.</i></p> <p><b>DM-67 :</b> Design Optimization of Rim Rolling Dies for Maximizing Die Life <i>K. M. Iyer</i></p> <p><b>DM-81 :</b> Modeling of Parting Line in Blade Forging Dies <i>D. Shahriari, M.H. Sadeghi, M.J. Nategh</i></p> <p style="text-align: center;"><b>Chairman: J. Tamaki</b></p>	<p style="text-align: center;"><b>Machine Tools / Robots</b></p> <p><b>DM-47 :</b> Design of Modular Controllers for Systems with Networked Smart Components <i>Melih Cakmakci, A. Galip Ulsoy</i></p> <p><b>DM-66 :</b> Improvement of Positioning Accuracy of Magnetostrictive Actuator by Using Compressed Air Cooling <i>J.D. Hwang, Y.K. Kwak, C.M. Kim, S.R. Kim, S.H. Kim, J.H. Ahn</i></p> <p><b>DM-70 :</b> Process Monitoring And Closed Loop Controlled Process <i>R. Neugebauer, H. Bräunlich, S. Scheffler</i></p> <p style="text-align: center;"><b>Chairman: D.Aitchison</b></p>	
20:00	<b>CONFERENCE DINNER- BALLROOM</b>		
8:30-10:30	<b>JUNE 24, 2007 SUNDAY BRUNCH FOR ALL PARTICIPANTS STAYING AT ALTIN YUNUS HOTEL- BALLROOM</b>		

