



Monday, April 18th, 2011 - Morning				
08.00	09.30	Registration		
<b>Plenary (Room A)</b>		<b>Opening Session</b>		
		<b>Chairman: Prof. Joost R. Duflou</b>		
09.30	09.45	Conference Opening by the Vice Rector of Research Policy of the K.U.Leuven: Prof. Peter Marynen		
09.45	10.00	Welcome Speech, Prof. Joost R. Duflou		
10.00	10.30	Keynote 1: Prof. Frank Vollertsen (Bremer Institut für angewandte Strahltechnik, Germany) <i>Size Effects in Micro Forming</i>		
10.30	11.00	Keynote 2: Dr. Wim Serruys (LVD Company n.v., Belgium) <i>Adaptive Control in CNC Sheet Metal Processing</i>		
11.00	11.20	Coffee break		
Parallel Sessions 1	Modelling Techniques 1 (Room A)	Materials and Testing 1 (Room B)	Processes 1 (Room C)	SPIF 1 (Room D)
	<b>Chairman: Prof. E. Tekkaya</b>	<b>Chairman: Prof. T. van den Boogaard</b>	<b>Chairman: Prof. R. Clarke</b>	<b>Chairman: Prof. F. Micari</b>
11.20	11.40	11.40	11.40	11.40
	<i>A Predictive Model for Tolerance Verification of Bent Sheet Metal Parts</i>	<i>Thickness Effect on the Formability of AZ31 Magnesium Alloy Sheets</i>	<i>On the development of novel light weight profiles for automotive industries by roll forming of tailor rolled blanks</i>	<i>Force Modeling in Single Point Incremental Forming of Variable Wall Angle Components</i>
	Thi Hong Minh Nguyen, Joost R. Duflou and Jean-Pierre Kruth	Archimede Forcellese, Filippo Gabrielli, Michela Simoncini and Mohamad El Mehtedi	Philip Beiter and Peter Groche	Rogelio Pérez-Santiago, Isabel Bagudanch Frigolé and Maria Luisa García-Romeu de Luna
11.40	12.00	12.00	12.00	12.00
	<i>The simulation of metal foams forming processes</i>	<i>The importance of governing metal thickness for resistance spot welding of aluminium</i>	<i>Incremental Bending of Ultra-High-Strength Steels</i>	<i>Multivariate Adaptive Regression Splines as a Tool to Improve the Accuracy of Parts Produced by FSPIF</i>
	Gianluca D'Urso, Michela Longo, Giancarlo Maccarini and Claudio Giardini	Li Han, Martin Thornton, Douglas Boomer and M. Shergold	Antti Määttä, Kari Mäntyjärvi and Jussi A. Karjalainen	Johan Verbert, Amar Kumar Behera, Bert Lauwers and Joost R. Duflou
12.00	12.20	12.20	12.20	12.20
	<i>Modeling Laser Heating For Roller Hemming Applications</i>	<i>A Theoretical Study on Forming Limit Diagram Predictions using Viscoplastic Polycrystalline Plasticity Models</i>	<i>Material Hybrid Joining of Sheet Metals by Electromagnetic Pulse Technology</i>	<i>Finding the best machine for SPIF operations. A brief discussion.</i>
	Tobias Kleeh, Marion Merklein and Karl Roll	Mariano Serenelli, Maria Bertinetti, Pablo Turner and Javier Signorelli	Ralph Schäfer, Pablo Pasquale and Alexander Elsen	S. R. Marabuto, D. Afonso, J.A.F. Ferreira, F.Q. Melo, M. Martins and R.J. Alves de Sousa
12.20	12.40	12.40	12.40	12.40
	<i>Geometrical Modeling of the Sheet Metal Parts in the Incremental Shrinking Process</i>	<i>Influence of the processing of magnesium alloys AZ31 and ZE10 on the sheet formability at elevated temperature</i>	<i>Hot Gas Bulging of Aluminum Alloy Tube Using Resistance Heating Set into Die</i>	<i>Robot-Based Incremental Sheet Metal Forming – Increasing the Geometrical Accuracy of Complex Parts</i>
	Zongru Yang, Daniel Scherer, Matthias Golle and Hartmut Hoffmann	Lennart Stutz, Jan Bohlen, Gerrit Kurz, Dietmar Letzig and Karl Ulrich Kainer	Tomoyoshi Maeno, Ken-ichiro Mori and Chihiro Unou	D. Kreimeier, B. Buff, C. Magnus, V. Smukala and J. Zhu
12.40	13.00	13.00	13.00	13.00
	<i>Effect of friction and back pressure on the formability of superplastically formed aluminium alloy sheet</i>	<i>Optical Measuring Technique for the Investigation of Built-up Cold-formed Steel Structural Members</i>	<i>A Methodology for Optimization of the Direct Laser Metal Deposition Process</i>	<i>Enhancing Incremental Sheet Forming Performance Using High Speed</i>
	Paul Wood, Muhammad Jawad Qarni and Andrzej Rosochowski	Iveta Georgueva, Luc Schueremans, Guido De Roeck and Lincy Pyl	Andrea Angelastro, Sabina L. Campanelli, Giuseppe Casalino, Antonio D. Ludovico and Simone Ferrara	Giuseppina Ambrogio, Luigino Filice, and Francesco Gagliardi
13.00	14.15	Lunch		

Monday, April 18th, 2011 - Afternoon

Parallel Sessions 2		Modelling Techniques 2 (Room A)	Materials and Testing 2 (Room B)	Processes 2 (Room C)	SPIF 2 (Room D)
		<i>Chairman: Prof. F. Ozturk</i>	<i>Chairman: Prof. R. A. de Sousa</i>	<i>Chairman: Prof. M. Liewald</i>	<i>Chairman: Prof. L. Filice</i>
14.15	14.35	<i>Numerical simulation of electron beam welding process of Inconel 706 sheets</i>	<i>Analytical and Experimental Evaluation of the Stress-Strain Curves of Sheet Metals by Hydraulic Bulge Tests</i>	<i>Sheet-Bulk Metal Forming of Preformed Sheet Metal Parts</i>	<i>On the Formability and Microstructural Characteristics of AISI 301 Parts Formed by Single-Point Incremental Forming</i>
		Piotr Lacki, Konrad Adamus, Kwiryn Wojsyk and Marcin Zawadzki	Lucian Lazarescu, Dan-Sorin Comsa and Dorel Banabic	Thomas Schneider and Marion Merklein	Ivan Lonardelli, Paolo Bosetti, Stefania Bruschi and Alberto Molinari
14.35	14.55	<i>Numerical Inverse Method for Friction Coefficient Estimation in Tube Hydroforming</i>	<i>Comparison of the Identifiability of Flow Curves from the Hydraulic Bulge Test by Membrane Theory and Inverse Analysis</i>	<i>Machines and Tools for Sheet-Bulk Metal Forming</i>	<i>The simulation of robot based incremental sheet metal forming by means of a new solid-shell finite element technology and a finite elastoplastic model</i>
		Antonio Fiorentino, Roberto Marzi, Elisabetta Ceretti and Claudio Giardini	Markus Bambach	Marion Merklein, A. Erman Tekkaya, Alexander Brosius, Simon Opel, Lukas Kwiatkowski, Björn Plugge and Sebastian Schunck	Yalin Kiliclar, Roman Laurischkat, Stefanie Reese and Horst Meier
14.55	15.15	<i>Identification of the Characteristics of Hydroformed Structures using Optimization Methods</i>	<i>Methods for Determination of Residual Stress of a Formed Plate Using Laser Ablation, Wire EDM and Milling</i>	<i>Employment of finite element modelling and design of experiments to investigate the geometrical factors in T-type bi-layered tube hydroforming.</i>	<i>Accuracy Improvement in Single Point Incremental Forming Through Systematic Study of Feature Interactions</i>
		B. Radi, A. Ayadi, A. Cherouat, L. Moreau and A. El Hami	Janne Lämsä, Kari Mäntyjärvi, Antti Järvenpää, Martin Grüner, Marion Merklein and Jussi A. Karjalainen	Abed Alaswad, Abdul Ghani Olabi and Khaled Benyounis	Amar Kumar Behera, Hans Vanhove, Bert Lauwers and Joost R. Dufloy
15.15	15.35	<i>Continuous Roll Forming Simulation using Arbitrary Lagrangian Eulerian Formalism</i>	<i>Study on Impact Crushing Properties of High Strength Steel Sheets</i>	<i>Backward Drawing of Necks using Incremental Approach</i>	<i>CAM-Solution for Two Robots Based Incremental Sheet Metal Forming</i>
		Romain Boman and Jean-Philippe Ponthot	Keiko Natori, Kenichi Watanabe, Tatsuya Tanaka and Yutaka Imaida	Aleš Petek, Karl Kuzman and Renato Fijavž	Dieter Kreimeier, Junhong Zhu, Volker Smukala, Bolko Buff and Christian Magnus
15.35	15.55	<i>Prediction of Surface Quality due to Chatter Vibration in Rolling of Thin Steel Strip using ALE Finite Element Method</i>		<i>Process Design for Hydroformed Tailored Blanks technology through CAE Techniques</i>	<i>Tool Directionality in Contour-Based Incremental Sheet Forming: An Experimental Study on Product Properties and Formability</i>
		Mohammad Reza Niroomand, Mohammad Reza Forouzan and Mahmoud Salimi		Antonio Del Prete, Gabriele Papadia and Barbara Manisi	Philip Eyckens, Hans Vanhove, Albert Van Bael, Joost R. Dufloy, Paul Van Houtte
15.55	16.20	Coffee break			
Parallel Sessions 3		Modelling Techniques 3 (Room A)	Materials and Testing 3 (Room B)	Processes 3 (Room C)	SPIF 3 (Room D)
		<i>Chairman: Prof. F. Vollertsen</i>	<i>Chairman: Prof. A. Van Bael</i>	<i>Chairman: Prof. K. Mori</i>	<i>Chairman: Prof. J.R. Dufloy</i>
16.20	16.40	<i>Numerical and Experimental Study of the Effect Pressure Path in Tube Hydroforming Process</i>	<i>Theoretical and Experimental Evaluation of the Formability of Anisotropic Zinc Sheets</i>	<i>Flow Behaviour of Magnetorheological Fluids, Considering the Challenge of Sealing in Blank Hydroforming in the Flange Area with Rectangular Leakage Area Cross-Sections</i>	<i>Tool path strategies for Single Point Incremental Forming</i>
		Majid Elyasi, Hassan Khanlari and Mohammad Bakhshi-Jooybari	Yann Jansen, Roland Logé, M. Milesi, S. Manov and Elisabeth Massoni	Sebastian Rösel and Marion Merklein	Isabel Bagudanch Frigolé, Rogelio Pérez-Santiago and Maria Luisa García-Romeu de Luna
16.40	17.00	<i>Modeling and Optimization of Pressure Profile in Hydroforming of St12 Conic Part with RSM and Genetic Algorithm</i>	<i>Fracture Characterization of ST37-2 Thin Metal Sheet with Experimental and Numerical Methods</i>	<i>Assessment of Electrical Resistance Heating for Hot Formability of Ti-6Al-4V Alloy Sheet</i>	<i>Shape Distortion and Thickness Distribution during SPIF Processes: Experimental and Numerical Analysis</i>
		Hamzeh Shahrajabian, Khalil Khalili and M. Soheil Khalili	Aberkane Méziane and Ould Ouali Mohand	Fahrettin Ozturk, Remzi Ecmel Ece, Naki Polat and Arif Koksal	Gianluca Buffa, Giuseppe Ingarao, Livan Fratini and Fabrizio Micari

17.00	17.20	<i>Parametric Investigation of Circular and Elliptical Bulge Tests in Warm Hydroforming Process for AA5754-O Sheet</i>	<i>Experimental Characterisation of Structured Sheet Metal</i>	<i>Measurement of Material Flow in Series Production</i>	<i>Investigation on Incremental Sheet Forming combined with Laser Heating and Stretch Forming for the Production of Lightweight Structures</i>
		Hasan Gedikli, Ömer Necati Cora and Muammer Koç	Sebastian Fritzsche, Ralf Ossenbrink and Vesselin Michailov	Anja Neumann, Dirk Hortig and Marion Merklein	Babak Taleb Araghi, Alexander Göttmann, Georg Bergweiler, Alireza Saeed-Akbari, Jan Bültmann, Joachim Zettler, Markus Bambach and Gerhard Hirt
17.20	17.40	<i>Analytical and Numerical Calculation of the Force and Power Requirements for Air Bending of Structured Sheet Metals</i>	<i>The Effects of Notch Manufacturing Method and Tolerance on Impact Test Results of UHS Steels</i>	<i>The Effect of Process Parameters on Thickness Distribution in Hydroforming of Conical-Cylindrical Cups</i>	<i>Comparison between SPIF with robot and CNC machine</i>
		V. Malikov, R. Ossenbrink, B. Viehweger and V. Michailov	Jani Kantola, Kari Mäntyjärvi, Rauno Toppila and Jussi A. Karjalainen	A. Gorji, M. Bakhshi-Jooybari, S. Nourouzi, S. J.Hosseini-pour and G. Mohammad-Alinejad	Aldo Attanasio, Elisabetta Ceretti, Claudio Giardini and Silvio Antonioni
17.40	18.00	<i>Simulation of Super-plastic Forming Based on a Micro-Structural Constitutive Model and Considering Grain Growth</i>	<i>Adjusting optimized material properties for Tailored Heat Treated Blanks</i>	<i>Analysis of Continuous Bending of Thin Plates in Rubber Pad Bending</i>	<i>Deviations between FE simulation and experiments in the SPIF process</i>
		Mahmoud Farzin, Reza Jafari and Mohammad Mashayekhi	Marion Merklein and Hung Nguyen	Mahmoud Mehrara and Mohamad Javad Nategh	Ioannis Vasilakos, Jun Gu, Hans Vanhove, Hugo Sol and Joost R. Dufflou

20.00

Conference Reception @ Historic City Hall of Leuven

Tuesday, April 19th, 2011 - Morning

Plenary  
(Room A)

Keynote Session

Chairman: Prof. M. Merklein

Keynote 3: Prof. Joost R. Dufflou (K.U.Leuven, Belgium)

*Environmental Performance of Sheet Metal Working Processes*

Keynote 4: Prof. Ken-ichiro Mori (Toyohashi University of Technology, Japan)

*Application of Servo Presses to Sheet Metal Forming*

Keynote 5: Prof. Erman Tekkaya (TU Dortmund, Germany)

*Innovative Machine Concepts for 3D Bending of Tubes and Profiles*

10.00 10.20

Coffee break

Parallel Sessions 4

Modelling Techniques 4 (Room A)

Industrial Communications (Room B)

Cutting and Joining 1 (Room C)

Chairman: Prof. F. Micari

Chairman: Dr. W. Serruys

Chairman: Prof. L. Fratini

10.20 10.40

*Investigation on the Effect of Pulsating Pressure on Tube-Hydroforming Process**Innovative Borit Hydrogate Technology for thin 3D Sheet Metal Products**Computer Aided Design of an Effective Fixture for FSW Processes of Titanium Alloys*

Khalil Khalili, Seyed Yousef Ahmadi Brooghani and Amir Ashrafi

Joachim Antonissen (OCAS/ArcelorMittal)

Gianluca Buffa and Livan Fratini

10.40 11.00

*Influence of the Adaptive Remeshing during Simulations of Sheet Metal Forming Processes**New Digital Format for Bent Sheet Metal Parts**Process Design for the Manufacturing of Magnetic Pulse Welded Joints*

Laurence Giraud-Moreau, Abel Cherouat and Houman Borouchaki

Peter Vandromme (LVD Company n.v.)

Verena Psyk, Grygoriy Gershteyn, Bjoern Barlage, Christian Weddelling, Bibiana Albuja, Alexander Brosius, A. Erman Tekkaya and Friedrich Wilhelm Bach

11.00 11.20

*Constitutive Modelling of Anisotropy, Hardening and Failure of Sheet Metals**Standardization of productdata in the sheet metal chain**Small Batch Laser Welding using Light Fasteners and Laser Tack Welding*

Ivaylo N. Vladimirov, Yalin Kiliclar, Vivian Tini and Stefanie Reese

Harrie Raaijmakers (Federatie Metaalplaat)

Milla Rasmus, Kari Mäntyjärvi and Jussi A. Karjalainen

11.20	11.40	<i>Computer Aided Modelling of Rubber Pad Forming Process</i>	<i>Technical and Economical Feasibility Study of Robot Assisted Bending for Small and Medium Sized Batch Production</i>	<i>Light Metal in High-Speed Stamping Tools</i>
		Antonio Del Prete, Gabriele Papadia and Barbara Manisi	Hans Vanhove, Sven de Troy (Sirris)	Martin Hirsch, Peter Demmel, Roland Golle and Hartmut Hoffmann
11.40	12.00	<i>Experimental and Numerical Investigation of the Effect of Anisotropy on Springback in U-bending Process</i>		<i>On the Performance of Welded, Riveted and Adhesive Bonded Al/Mg Sheet Metal Joints</i>
		Vahid Daiezadeh, Majid Elyasi, Behzad Rahmani and Mohammad Bakhshi-Jooybari		Marco Alfano, Giuseppina Ambrogio, Luigino Filice, Franco Furgiuele, Enrico Gallus and Domenico D'Antuoni
12.00	13.00	Lunch		

Tuesday, April 19th, 2011 - Afternoon

13.00	18.30	Industrial field trip to Ford Genk, Arcelor Mittal / OCAS or K.U.Leuven PMA Lab Tour		
19.00	20.00	Guided City Tour from Historic City Hall to Grand Béguinage		
	20.00	Conference Dinner @ Faculty Club (Grand Béguinage)		

Wednesday, April 20th, 2011 - Morning

Parallel Sessions 5		Modelling Techniques 5 (Room A)	Materials and Testing 4 (Room B)	Presses and Press Tools (Room C)	Process and Production Planning (Room D)
		<i>Chairman: Dr. B. Shirvani</i>	<i>Chairman: Prof. M. Merklein</i>	<i>Chairman: Prof. A. Reis</i>	<i>Chairman: Dr. H. Hagenah</i>
08.30	08.50	<i>Numerical Prediction of Damage Evolution in Sheet Metal Forming Processes with Nonlinear and Complex Strain Paths</i>	<i>Intermediate Heat Treatment – A New Proceeding for Aluminum Alloys Using Forming Limit Diagrams</i>	<i>Influence of die materials on the microstructural evolution of HSS sheets in hot stamping</i>	<i>DOE analysis of the effects of geometrical parameters on the Self-piercing riveting of Aluminium alloy AA6060T4</i>
		Babak Jamshidi, Farhad Haji Aboutalebi, Mahmoud Farzin and Mohammad Reza Forouzan	Kathleen Siefert, Marion Merklein, Almut Töpperwien, Winfried Nes-ter and Martin Grünbaum	Andrea Ghiotti, Stefania Bruschi and Daniele Pellegrini	Giuseppe Casalino
08.50	09.10	<i>FEM analysis of Sandwich Shells with Metallic Foam Cores</i>	<i>The Influence of Through-Thickness Material Property Variation on Stretch Forming Springback</i>	<i>Development of bionic design concepts for structure optimisation of forming tools according to production and stress constraints</i>	<i>Cutting Path Optimization using Tabu Search</i>
		H. Mata, R. Natal Jorge, A. A. Fernandes, R. A. F. Valente and M. P. L. Parente	Robert J. McMurray, Alan G. Leacock and Desmond Brown	Eugen Oswald, Mathias Liewald, and Oliver Stephan	Reginald Dewil, Pieter Vansteenwegen and Dirk Cattrysse
09.10	09.30	<i>A Simulation Approach for Chaining the Forming-Welding-Crash Behaviour of Sheet Metal Structures</i>	<i>Transformation in Austenitic Stainless Steel Sheet under Different Loading Directions</i>	<i>Development of a Hydraulic Actuator to Superimpose Oscillation in Metal-Forming Presses</i>	<i>A Knowledge-Based System for Manufacturability Assessment of Deep Drawn Sheet Metal Parts</i>
		Loucas Papadakis, Alexander Schober, Michael F. Zaeh and George Demosthenous	A.H. van den Boogaard, J. Krauer and P. Hora	Bernd-Arno Behrens, Sven Hübner, Richard Krimm, Christian Wager, Milan Vucetic and Teguh Cahyono	Vishal Naranje and Shailendra Kumar
09.30	09.50	<i>Simulation of Heat Assisted Forming of Commercial Aluminium Alloy AA5182</i>	<i>On the Study of Constitutive Parameter Identification of Advanced Yield Criteria</i>	<i>Characterization of Horizontal Loads in the Production of Asymmetrical Parts</i>	<i>A Holistic Modeling Approach for the Design of Tension Leveling and Scale Breaking Processes and Equipment</i>
		Rajarajan Govindarajan, Martin Zubeil, Kathleen Siefert, Christophe Ageorges and Karl Roll	Mustafa Seckin Aydin, Aykut Canpolat, Jörg Gerlach, Lutz Kessler and Ahmet Erman Tekkaya	Bernd-Arno Behrens, Anas Bouguecha, Richard Krimm, Thorsten Matthias and Valerian Salfeld	Lorenz Steinwender, Christoph Salzmann, Alexander Kainz, Konrad Krimpelstätter and Klaus Zeman
09.50	10.10	<i>Blank Optimization in Elliptical-Shape Sheet Metal Forming Using Response Surface Model Coupled with Reduced Basis Technique and Finite Element Analysis</i>	<i>Development of a Microscopic Damage Model for Low Stress Triaxiality</i>	<i>High Performance Active Elements for Agricultural Machines Made of Ultra High-Strength Steels</i>	<i>Sheet Metal Forming Process Design Rules Development</i>
		Khalil Khalilli, Parviz Kahhal, Ehsan Eftekhari Shahri and M. Soheil Khalili	Mohamed Achouri, Guenael Germain, Philippe Dal Santo, Serge Boude, Jean Lou Lebrun and Delphine Saidane	Werner Homberg and Tim Rostek	A. Del Prete, G. Papadia and T. Primo

10.10 10.40 Coffee break

Parallel Sessions 6		Modelling Techniques 6 (Room A) <i>Chairman: Prof. S. Bruschi</i>	Materials and Testing 5 (Room B) <i>Chairman: Dr.-Ing. Markus Bambach</i>	Processes 4 (Room C) <i>Chairman: Prof. W. Homberg</i>	Energy and Resource Efficiency (Room D) (CO2PE! - workshop) <i>Chairman: Prof. W. Dewulf</i>
10.40	11.00	<i>FE-Simulation of the heat transfer by defined cooling conditions during the hot stamping process</i> Thomas Svec, Martin Grüner and Marion Merklein	<i>Numerical Simulation of Forming Limit Test for AZ31 at 200°C</i> Mintesnot Nebebe, Jan Bohlen, Dirk Steglich and Joern Mosler	<i>Optimisation of Tubular Hydroforming Processes for Wrinkling and Thinning Control</i> João F. M. Caseiro, Robertt A. F. Valente, António Andrade-Campos and Renato M. Natal Jorge	<i>Energy Efficiency Targets for Machine Tools – Industry’s Response to Upcoming European Legislation</i> Magdalena Garczynska, (invited speaker of CECIMO - European Machine Tool Industry Association)
11.00	11.20	<i>Modeling Uniaxial, Temperature, and Strain Rate Dependent Behavior of AZ31 Alloy by Softening Model</i> Serkan Toros, Fahrettin Ozturk and Mesut Kaya	<i>Experimental Methods for Characterizing of Sheet Metals at High Strain Rates</i> Lothar W. Meyer, Shawky Abdel-Malek and Norman Herzig	<i>Improved Roller Hemming System for High Volume Part Production</i> Martin Zubeil, Karl Roll and Marion Merklein	<i>Impact of Laser-based Technologies in the Energy-Consumption of Metal Cutters: Comparison between commercially available Systems</i> Marta Oliveira, João P. Santos, Fernando G. Almeida, Ana Reis, João P. Pereira and Augusto B. Rocha
11.20	11.40	<i>Consideration of elastic tool deformation in numerical simulation of hydroforming with granular material used as a medium</i> Martin Grüner and Marion Merklein	<i>Assessment of Damage Models in Sheet Metal Forming for Industrial Applications</i> Maria Doig and Karl Roll	<i>Wrinkling Study in Tube Hydroforming Process</i> Khalil Khalilli, S. Ehsan Eftekhari Shahri, Parviz Kahhal and M. Soheil Khalili	<i>Heuristic-based Evaluation of Energy Flows in Press Hardening Process Chains</i> Reimund Neugebauer, Frank Schieck, Angela Göschel and Julia Schönherr
11.40	12.00	<i>Advanced Friction Modeling in Sheet Metal Forming</i> Johan Hol, M.V. Cid Alfaro, T. Meinders and J. Huetink	<i>Modification of the Mechanical Anisotropy in Extruded AZ31 Sheets</i> Norbert Grittner, Marcus Engelhardt, Michael Hepke, Dirk Bormann and Bernd-Arno Behrens	<i>Combination of Finite-Element and Semi-Analytical Models for Sheet Metal Leveling Simulation</i> Amine Amor, Mohamed Rachik and Hédi Sfar	<i>On the Sustainability Evaluation in Sheet Metal Forming Processes</i> Giuseppe Ingarao, Giuseppina Ambrogio, Rosa Di Lorenzo and Fabrizio Micari
12.00	12.20	<i>Simulation of Hot Sheet Metal Forming Processes Based on a Micro-Structural Constitutive Model</i> Mahmoud Farzin, Reza Jafari and Mohammad Mashayekhi		<i>Analytical-Numerical Solution of Bending Problem of Thin Plates in Rubber Pad Bending</i> Mahmoud Mehrara and Mohamad Javad Nategh	<i>CO2PE! update and discussion</i> Wim Dewulf

12.20 13.30 Lunch

Wednesday, April 20th, 2011 - Afternoon

Parallel Sessions 7		Quality and Reliability (Room A) <i>Chairman: Prof. J.P. Kruth</i>	Cutting and Joining 2 (Room C) <i>Chairman: Dr. A. Leacock</i>	Manufacturing Systems & Micro Technologies (Room D) <i>Chairman: Dr. Nguyen Thi Hong Minh</i>
13.30	13.50	<i>Measurement of Critical Dimensions of Cold Roll Formed Sections using Digital Image Processing</i> Ian Anthony Williams, Bez Shirvani and Jean Michael Mourier	<i>Application of the Finite Element Methods on the Staking Process of Staking Fasteners</i> Miriam Tofall, Marion Merklein and Raoul Plettke	<i>Micro Warm Coining of Stainless Steel Sheets Using Electric Conductive Heating</i> Kunning Zhao, Burkhard Wietbrock and Gerhard Hirt
13.50	14.10	<i>Enhanced Requirements for Surface Quality of Outer Car Body Shells according to Thermal Manufacturing Processes</i> Christoph Albiez, Mathias Liewald, Andreas Görres and Jochen Regensburger	<i>Identification of post-necking hardening behaviour of sheet metal: a practical application to clinch forming</i> Sam Coppieters, Pascal Lava, Hugo Sol, Paul Van Houtte and Dimitri Debruyne	<i>Investigation of the Hole Shape in Pulsed Fiber Laser Microdrilling of Nanostructured Titanium</i> Carlo Alberto Biffi and Barbara Previtali

14.10	14.30	<i>Pressure Field Stabilization in High-Voltage Underwater Pulsed Metal Forming Using Wire-Initiated Discharges</i> Iñaki Eguia, Juan San José, Mykhaylo Knyazyev and Yaroslav Zhovnovatyuk	<i>The Low-cycle Fatigue Strength of Laser-welded Ultra-high-strength Steel</i> Markku Keskkitalo, Kari Mäntyjärvi and Toni Kiuru	<i>Forming Behavior of Thin Foils</i> Zhenyu Hu, Hanna Wielage and Frank Vollertsen
14.30	14.50	<i>Predicting Dimensional Accuracy of Mechanically Joined Car Body Assemblies</i> R. Neugebauer, M. Rössinger, M. Wahl, F. Schulz, A. Eckert and W. Schützle	<i>The Effect of Residual Stresses on the Strain Evolution During Welding of Thin-Walled Tubes</i> Maarten De Strycker, Wim Van Paepegem, Luc Schueremans and Dimitri Debruyne	<i>Continuous Improvement of Manufacturing Systems with the Concept of Functional Periodicity</i> Dominik T. Matt and Erwin Rauch
14.50	15.10	<i>Counter Laser treatment for recovering deformation of slender workpiece</i> Luca Giorleo, Elisabetta Ceretti, Claudio Giardini and Barbara Previtali	<i>Modelling of Fine Blanking Process of the Aluminium Sheets</i> Wieckowski Wojciech, Lacki Piotr and Adamus Janina	<i>Design for Manufacture Based on an Integrated Product Process Design Model</i> Holger Voswinckel, Henrich Schleifenbaum, Markus Bambach and Gerhard Hirt
15.10	15.30	Coffee break		
Plenary (Room A)		Closing Session		
15.30	16.30	Conference Closing		









