



	September 21 st		September 22 nd		September 23 rd	
8.00	Registration		Registration		Registration	
			Plenary Lecture			
9.00	Opening Session		Session 5 Industrial Metrology II		Plenary Lecture	
	Opening Lecture				Session 10 Production Planning	
10.00	Coffee-Break		Coffee-Break Posters Session II		Coffee-Break Posters Session IV	
11.00	Session 1 Machining Processes I		Plenary Lecture		Session 11 Non-Traditional Machining	
			Session 6 6.1 Prototyping 6.2 Manufacturing Systems.			
12.00					MES General Meeting	
	Session 2 2.1 Industrial Metrology I 2.2 CAD/CAM/CAE. Advanced Manufacturing Processes		Plenary Lecture			
13.00			Session 7 Machining Processes II			
14.00	Lunch		Lunch		Closing Lunch	
15.00						
16.00	Session 3 Modeling & Simulation in Manufacturing Engineering	Meeting of the MES Staff	Plenary Lecture			
			Session 8 Forming Processes	Meeting of MANUFACTURE Staff		
17.00	Coffe-Break Posters Session I					
			Coffe-Break Posters Session III			
18.00	Session 4 4.1 Welding & Joining Tech. 4.2 Moulding Processes	Workshop Wikipedia in Manufacturing Engineering	Session 9 9.1 Machining Processes III 9.2 Quality and Quality Management			
19.00						
20.00	Guided visit to Cadiz					
21.00	Reception in the City Hall		Gala Dinner			
22.00						


September 21 st	
8.00–9.00	Registration <i>Technical Secretary</i>
9.00–9.30	Opening Session <i>TALGO room</i>
9.30–10.30	Opening Lecture: Otto Jusko <i>TALGO room</i> <i>“Dimensional Metrology for the Realization of SI Units”</i>
10.30–11.00	Coffee–Break
11.00–12.30	<p style="text-align: center;"><u>Machining Processes I</u></p> <p><u>Chairmen:</u> F. Girot, M. Marcos <i>TALGO room</i> <u>Session Secretary:</u> J. Salguero</p> <ul style="list-style-type: none"> • Process Stability Strategies in Milling of Thin-walled Inconel 718 <i>B. Wanner, M. Eynian, T. Beno, L. Pejryd</i> • Effects of Rotational Speed and Feed Rate on Temperature Rise, Feed Force and Cutting Torque when Drilling Bovine Cortical Bone <i>J. Soriano, L.M. Iriarte, J.A. Eguren, P. Aristimuño, A. Garay, P.J. Arrazola</i> • Sensitivity Analysis of Tool–Chip Contact Parameters when Predicting Residual Stresses in Turning of Inconel 718 <i>I. Torrano, O. Barbero, A. Kortabarria, P.J. Arrazola</i> • The Influence of Cutting Speed in Austenitic Stainless Steel Machining: Study of Specific Force Coefficients <i>A.I. Fernández-Abia, J. Barreiro, L.N. López de Lacalle, G. Urbicain, I. Paradela</i> • Influence of Speed on Wear and Cutting Forces in End-milling Nickel Alloy <i>M. Estrems, H.T. Sánchez, T. Kurfess, C. Bunget</i> • Obtención de una Trayectoria Espiral para Mecanizar con Técnicas Fuzzy y Herramienta Esférica Superficies STL Partiendo de su Contorno <i>J.L. Huertas-Talón, J.M. Franco-Gimeno, J.M Falcó-Boudet, L. Berges-Muro</i> • The Feasibility of Strain Field Measurement with CORELLI in Orthogonal Machining of a Titanium Alloy <i>M. Calamaz, D. Coupard, F. Girot</i> <p><u>Session 1</u></p>
12.45–14.15	<p style="text-align: center;"><u>2.1 Industrial Metrology I</u></p> <p><u>Chairmen:</u> O. Jusko, J.J. Aguilar <i>TALGO room</i> <u>Session Secretary:</u> J.P. Contreras</p> <ul style="list-style-type: none"> • Study of the Technical Feasibility of Photogrammetry and Coordinated Measuring Arms for the Inspection of Welded Structures <i>F. Sánchez-Lasheras, R.I. Fernández, E. Cuesta, B.J. Álvarez, S. Martínez</i> • Study of the Influence of Reference System in Surface Finishing Parameters Evaluation <i>A. Sanz, R. Fernández, S. Pindado, P. Núñez</i> • Laser Tracker based Volumetric Verification of Machine Tools <i>S. Aguado, D. Samper, J. Santolaria, J.J. Aguilar</i> • Measurement of Micro-molded Parts by Computed Tomography <i>S. Ontiveros, J.A. Yagüe, R. Jiménez, J.J. Aguilar</i> • Uncertainty Evaluation in Robot Calibration by Monte Carlo Method <i>M. Gínés, J. Santolaria, L. Vila, A. Brau, J.J. Aguilar</i> • Evaluation of Influence Parameters in the Reliability of the Measuring with Coordinated Measuring Arms <i>E. Cuesta, B.J. Álvarez, S. Martínez, J. Barreiro, D. González-Madruga</i> • Integración de un Sensor Conoscópico en una MMC <i>P. Fernández, D. Blanco, G. Valiño, H. Hoang, L. Suárez, S. Mateos</i> <p><u>Session 2</u></p>


	<p align="center">2.2 CAD/CAM/CAE. Advanced Manufacturing Processes</p> <p>Chairmen: E. Ares, J. Barreiro Session Secretary: R. Bienvenido <i>AFM-INVEMA room</i></p> <ul style="list-style-type: none"> • Comparison of Aged Polyamide Powders for Selective Laser Sintering <i>A. Martínez, A. Ibáñez, A. Sánchez, M.A. León</i> • Spiral Pocketing by Conformal Mappings <i>P. Romero-Carrillo, R. Dorado, F. Díaz-Garrido, R. López</i> • Designing Using Manufacturing Features <i>T. Szecsi, A.S.M. Hoque</i> • Development to Integrate Conceptual Design Tools and a CAD System <i>V.H. Torres, J. Ríos, A. Vizán, J.M. Pérez</i> • Social Return of R&D Investments in Manufacturing Sector: Some Insights from an Exploratory Case Study <i>J. Cunha, P. Ferreira, M. Araújo, E. Ares</i> • Expanding Lean Thinking to the Product and Process Design and Development within the Framework of Sustainability <i>M. Sorli, A. Sopolana, M.Salgado, G. Pelaez, E. Ares</i> 	
14.30–16.00	Lunch	
<p align="center">Session 3</p> <p align="center">16.00–17.30</p>	<p align="center">Modeling & Simulation in Manufacturing Engineering</p> <p>Chairmen: F.J. García-Lomas, J.A. García-Manrique <i>TALGO room</i> Session Secretary: M. Batista</p> <ul style="list-style-type: none"> • Rechazo de Oscilaciones Caóticas por Control Adaptativo <i>M. Prián, M.J. López, F.M. Verdulla</i> • Numerical Analysis of the Deformation Mechanisms in Incremental Forming of AA2024-T3 Sheets <i>G. Centeno, C. Vallellano, J. Vázquez, D. Morales, A.J. Martínez-Donaire, F.J. García-Lomas</i> • FEM Analysis of Spur Gears Forging from Nano-structured Materials <i>D. Salcedo, C.J. Luis, R. Luri, J. León</i> • Analysis of Material Removal in FEM Thermal Models for Grinding <i>N. Ortega, I. Pombo, U. Alonso, J.A. Sánchez, B. Izquierdo, S. Plaza</i> • Modeling Strategies for Efficient FE Simulation of Localised-Incremental Forging Processes <i>A.M. Camacho, M.M. Marín, E.M. Rubio, M.A. Sebastián</i> • Effect of Centrifugal Forces on Dimensional Error of Bored Shapes <i>M. Arsuaga, L.N. López de Lacalle, R. Lobato, G. Urbikain, F. Campa</i> • FEM based Deformability Analysis of Metal Forming: Influence of Material Models and Analysis Approaches <i>H.G. Lemu, T. Trzepieciński</i> 	
16.00–17.30		<p align="center">Meeting of the MES Staff <i>SIF-MES room</i></p>
17.30–18.30	Coffee-Break	Posters Session I
18.30–19.45		<p align="center">Workshop: Wikipedia in Manufacturing Engineering <i>UNED room</i></p>

<p>Session 4 18.30–19.45</p>	<p><u>4.1 Welding & Joining Technologies</u></p> <p>Chairmen: F.J. Botana, T. Pasang Session Secretary: M. Álvarez</p> <p style="text-align: right;"><i>TALGO room</i></p> <ul style="list-style-type: none"> • Metallurgy and Deformation of Electron Beam Welded Similar Titanium Alloys <i>T. Pasang, J.C. Sabol, W.Z. Misiolek, R. Mitchell, A.B. Short, G. Littlefair</i> • Considerations for Application of Structural Adhesives for Joining Aluminum with Compound Materials in the Manufacturing of Competition Motorcycles <i>J.M. Arenas, C. Alía, J.J. Narbón, R. Ocaña, M.M. Recio</i> • Laser Welding of Aeronautical and Automobile Aluminum Alloys <i>Z. Boukha, J.M. Sánchez-Amaya, M.R. Amaya-Vázquez, L. González-Rovira, F.J. Botana</i> • Improvements of Laser Weldability of Aluminium Alloys by Laser Texturization <i>J.M. Sánchez-Amaya, Z. Boukha, L. González-Rovira, M.R. Amaya-Vázquez, F.J. Botana</i> • Welding Torch Trajectory Generation for Hull Joining Using Autonomous Welding Mobile Robot <i>J.Y. Hascoet, K. Hamilton, G. Carabin, M. Rauch, B. Arregui, M. Alonso, E. Ares</i>
	<p><u>4.2 Moulding Processes</u></p> <p>Chairmen: M. Estrems, J. Seguí Session Secretary: M. Batista</p> <p style="text-align: right;"><i>AFM-INVEMA room</i></p> <ul style="list-style-type: none"> • Synthesis of APA6 Thermoplastic Matrices for the Manufacture of Green Composites <i>A. Alfonso, J. Andrés, J.A. García</i> • Set-Up for Unsaturated Permeability Measurement of LCM Reinforcements <i>R. Hoto, J. Andrés, I. Ordeig, J.A. García</i> • A Comparison between Traditional Criteria and FEM Analysis Results for Gravity Casting Feeding and Riser Systems <i>M.C. Manjabacas, V. Miguel-Eguía</i> • Assessment of Ultrasonic and Radiographic Inspection Techniques for Porosity Measurement in Die-Casting Parts <i>J.J. Hernández-Ortega, R. Zamora, J. López, F. Faura</i> • Ecodiseño Aplicado al Diseño y Fabricación de Moldes de Inyección de Plástico, Molde Reutilizable (MR) <i>P. Hernández, M. Díaz, E. Covelo, E. Ares</i> • Evaluación del Desgaste durante el Proceso de Inyección con el Uso de Perfilometría Óptica <i>P. Hernández, M. Díaz, E. Covelo, E. Ares</i>
<p>20.00–21.00</p>	<p>Guided visit to Cadiz</p>
<p>21.00–22.30</p>	<p>Reception in the City Hall</p>

September 22 nd	
8.00–8.30	Registration <i>Technical Secretary</i>
8.30–9.00	Plenary Lecture: <i>Albert Weckenmann</i> <i>TALGO room</i> <i>“Metrology – Base for Scientific Cognition and Technical Production”</i>
Session 5 9.00–10.30	<p style="text-align: center;"><u>Industrial Metrology II</u></p> <p><u>Chairmen:</u> M. Marcos, A. Weckenmann <i>TALGO room</i></p> <p><u>Session Secretary:</u> J.P. Contreras</p> <ul style="list-style-type: none"> • Metrological Infrastructure Development in the Province of La Rioja (Argentina). An University Cooperation Experience for Local Development and Technology Transfert <i>P. Sismondi, A.P. Bigot, J. Viel, G. Rodriguez</i> • Visualization of Shapes for Deep-Drawn Cup Bottoms by Flatness Measures Using a Roundness Measurement Machine <i>V. Miguel, A. Martínez, M.C. Manjabacas, J. Coello, E. Soria, F. García-Sevilla</i> • Proposal for a Optical Method for the Metrological Characterization of Spur Gears in the Sub-Millimeter Range <i>J. Caja, E. Gómez, P. Maresca, M. Berzal, C. Barajas</i> • An Alternative Method to Achieve Metrological Confirmation in Measurement Processes <i>M. Villeta, E.M. Rubio, A. Sanz, L. Sevilla</i> • Metrological Control of Global Navigation Satellite System (GNSS) Equipment <i>T. Fernández, J. de Vicente</i> • Process Characterization by Scanning Laser Metrology Inspection <i>J.M. Herrera, D. R. Salgado, I. Cambero, A. Marcelo</i> • Metodología de Análisis y Evaluación de Documentos Metrológicos <i>M.J. Martin, M.A. Sebastián</i>
10.30–11.00	Coffee-Break Posters Session II
11.00–11.30	Plenary Lecture: <i>Paulo Bártolo</i> <i>TALGO room</i> <i>“Biomedical use of Additive Manufacturing”</i>
Session 6 11.30–12.45	<p style="text-align: center;"><u>6.1 Prototyping</u></p> <p><u>Chairmen:</u> J. Ciurana, M. Sánchez-Carrilero <i>TALGO room</i></p> <p><u>Session Secretary:</u> A. Gómez</p> <p style="text-align: right;"><i>Sponsored by</i> </p> <ul style="list-style-type: none"> • A New Application for Food Customization with Additive Manufacturing Technologies <i>L. Serenó, G. Vallicrosa, J. Delgado, J. Ciurana</i> • Biomechanical Behavior of Porous Ti6Al4V Fabricated on EBM for Medical Device Manufacturing <i>V. Petrović, J.R. Blasco, I. Morales, V. Primo, L. Portolés, C. Atienza, J.F. Moreno, V. Belloch</i> • Rapid Manufacturing. Formación Académica y Transferencia de Conocimiento <i>P. Hernández, M. Monzón, M.D. Marrero, A. Benítez, Z. Ortega, F. Ortega</i> • Clad Geometry Prediction in Laser Cladding Process <i>I. Taberner, A. Lamikiz, E. Ukar, S. Martínez</i> • Study of Capabilities and Limitations of 3D Printing Technology <i>H.G. Lemu</i> • Modelization and Structural Analyses of FDM Parts <i>J. Martínez, J.L. Diéguez, J.E. Ares, A. Pereira, J.A. Pérez</i>

	<p style="text-align: center;">6.2 Manufacturing Systems. NGMS</p> <p>Chairmen: F. Romero, P.J. Arrazola</p> <p>Session Secretary: A. Pastor</p> <p style="text-align: right;"><i>AFM-INVEMA room</i></p> <ul style="list-style-type: none"> • Evaluation of the Changes in Working Limits in an Automobile Assembly Line using Simulation <i>L.P. Ferreira, E. Ares, G. Peláez, A. Resano, C.J. Luis, B. Tjahjono</i> • Analysis of the Influence of the Production Sequence in an Automobile Assembly Line, Modeled as a Network of Closed-Loops <i>L.P. Ferreira, E. Ares, G. Peláez, M. Marcos, M. Araújo</i> • Methodology to Generate Manufacturing Routes using Rules of Precedence <i>O.L. Agostinho, A. Batocchio, I. Bento da Silva</i> • A Review of the A400M Final Assembly Line Balancing Methodology <i>J. Ríos, F. Mas, J.L. Menéndez</i> • Virtual Verification of the AIRBUS A400M FAL Industrialization <i>J.L. Menéndez, F. Mas, J. Serván, J. Ríos</i> • Using Augmented Reality in AIRBUS A400M Shopfloor Assembly Work Instructions <i>J. Serván, F. Mas, J.L. Menéndez, J. Ríos</i> • Scenario for Concurrent Conceptual Assembly Line Design: a Case Study <i>F. Mas, J. Ríos, J.L. Menéndez</i>
<p>12.45–13.15</p>	<p>Plenary Lecture: Dieter Lung</p> <p style="text-align: right;"><i>TALGO room</i></p> <p style="text-align: center;"><i>“High Performance Cutting of Aircraft and Turbine Components”</i></p>
<p>Session 7 13.15–14.30</p>	<p style="text-align: center;">Machining Processes II</p> <p>Chairman: A. Lamíkiz</p> <p>Chairwoman: M. Calamaz</p> <p>Session Secretary: J. Salguero</p> <p style="text-align: right;"><i>TALGO room</i></p> <ul style="list-style-type: none"> • Study of Temperature and Workpiece Damage in Drilling of Carbon Fiber Composites <i>M. San Juan, O. Martín, F.J. Santos, J.A. Cabezudo, A. Sánchez</i> • Micro-machining of 3D Geometries for Medical Applications <i>J. Gomar, A. Amaro, E. Vázquez, J. Ciurana, C. Rodríguez</i> • Study of the Influence of Lubrication in Machining Operations <i>J. Grabalosa, G. Quintana, M.L. García-Romeu, J. Ciurana</i> • Torneado de Superaleaciones de tipo Intermetálico Gamma TiAl <i>A. Beranoagirre, L.N. López de Lacalle</i> • Sand Moulds Milling for One-of-a-Kind Pieces <i>A. Rodríguez, A. Calleja, D. Olvera, F.J. Peñafiel, L.N. López de Lacalle</i> • Comparing Low Cost Low Quality Cutting Tools Vs. High Cost High Quality Tools for Cutting Tool Selection <i>E. Bosch, G. Quintana, M.L. García-Romeu, J. Ciurana</i>
<p>14.30–16.00</p>	<p>Lunch</p>
<p>16.00–16.30</p>	<p>Plenary Lecture: Steven Schmid</p> <p style="text-align: right;"><i>TALGO room</i></p> <p style="text-align: center;"><i>“Energy Needs and Consumption in Manufacturing Processes”</i></p>

<p>Session 8 16.30–18.00</p>	<p style="text-align: center;">Forming Processes</p> <p>Chairmen: S. Schmid, M.A. Sellés Session Secretary: M. Batista</p> <p style="text-align: right;"><i>TALGO room</i></p> <ul style="list-style-type: none"> • Springback Evaluation for Trip 800 Steel Sheet by Simple Bending Tests <i>F.J. Avellaneda, V. Miguel, J. Coello, A. Martínez, A. Calatayud</i> • Experimental and FEM Analysis of the AA 6082 Processed by Equal Channel Angular Extrusion up to Two Passages using Route C <i>J. León, J.P. Fuertes, C. J. Luis, R. Luri, I. Puertas</i> • Experimental Analysis of Nano-structured Materials Forging by using Plane-shape Dies <i>C. J. Luis, I. Puertas, D. Salcedo, I. Pérez</i> • Optimization of Cold Formed Steel Cross Section Profile for Timber Upgrading <i>C. González-Bravo, R. Domingo, R. Álvarez</i> • Prediction of the Force of the Ball-Burnishing, Physical Model <i>H.A. González, J.A. Travieso</i> • Application of the Upper Bound Element Technique with Triangular Rigid Blocks in Indentation <i>C. Bermudo, F. Martín, L. Sevilla</i> • Evaluation of the Strain-Induced Martensite of TRIP 800 Steel by a Magnetic Induction Method <i>V. Miguel, F.J. Avellaneda, J. Coello, A. Martínez, A. Calatayud</i> 	
<p>16.30–18.00</p>		<p style="text-align: center;">Meeting of MANUFUTURE Staff</p> <p style="text-align: right;"><i>UNED room</i></p>
<p>18.00–18.30</p>	<p>Coffee-Break</p>	<p style="text-align: center;">Posters Session III</p>
<p>Session 9 18.30–19.30</p>	<p style="text-align: center;">9.1 Machining Processes III</p> <p>Chairmen: L.N. López de Lacalle, A. Sanz Session Secretary: J. Salguero</p> <p style="text-align: right;"><i>TALGO room</i></p> <ul style="list-style-type: none"> • Adaptive Control of Surface Finish in Automated Turning Processes <i>E. García-Plaza, P.J. Núñez, A.R. Martín, A. Sanz</i> • Development of a Simultaneous Monitoring System for Tool Flank Wear and Surface Roughness in Dry Steel Turning <i>D.R. Salgado, I. Cambero, J.M. Herrera, F.J. Alonso</i> • Surface Topography Obtained in Side Milling Processes as a Function of Eccentricity and of the Helix Angle <i>I. Buj-Corral, J. Vivancos-Calvet, H. González-Rojas</i> • Análisis del Rendimiento de las Muelas Abrasivas en el Rectificado Plano <i>R. Fernández, A. Iriarte, P. Puerto, I. Gallego, P.J. Arrazola</i> <p style="text-align: center;">9.2 Quality and Quality Management</p> <p>Chairman: L. Sevilla Chairwoman: M.H. Miguélez Session Secretary: J.E. Díaz</p> <p style="text-align: right;"><i>AFM-INVEMA room</i></p> <ul style="list-style-type: none"> • Integrated Study of Sustainability Technological-Economic in Manufacturing Processes <i>B. Peinado, L. Sevilla, M.A. Sebastián</i> • Development of a Device to Study Fatigue Life of Fixed Partial Dentures <i>S.C. Gutiérrez, M.D. Meseguer, R. Estal, F. Folguera, V. Vidal</i> • Modelo para la Gestión Integrada de Calidad, Medioambiente, Prevención de Riesgos Laborales y Aspectos Éticos Aplicado a Procesos de I+D+I y Procesos Productivos en una Organización <i>M.R. González, F. Torres, V. Yoldi, F. Arcega, I. Plaza</i> • Ergonomics and Simulation Tools for Improve Service & Industrial Process <i>A. Sánchez, M. García</i> 	
<p>21.00</p>	<p>Gala Dinner</p>	

September 23 rd	
8.00–9.00	Registration <i>Technical Secretary</i>
9.00–9.30	Plenary Lecture: <i>Kuniaki Dohda</i> <i>TALGO room</i> <i>"Investigation on Micro Dimple Forming Process"</i>
Session 10 9.30–10.30	<p style="text-align: center;"><u>Production Planning</u></p> <p><u>Chairman:</u> K. Dohda <u>Chairwoman:</u> R. Domingo <i>TALGO room</i> <u>Session Secretary:</u> A. Pastor</p> <ul style="list-style-type: none"> • Metodología para el Establecimiento y Validación de Especificaciones de Fabricación en la Planificación de Procesos de Mecanizado <i>F. Romero, R. Morón, J. Serrano, G. Bruscas</i> • A Methodology for Decision-Making in the Performance Evaluation of Multiphase Multiproduct Production Lines <i>L.P. Ferreira, E. Ares, G.C Peláez, J. Diéguez</i> • Redescubriendo los Valores Ágiles: Similitudes con Estrategias de Mejora Continua <i>P. Díaz de Mera, J.M. Arenas, C. González</i> • Ingeniería de Fabricación Mecánica de la Cuna a la Cuna <i>M.E. Peralta, F. Aguayo, J.R. Lama</i>
10.30–11.00	Coffee-Break Posters Session IV
Session 11 11.00–12.30	<p style="text-align: center;"><u>Non-Traditional Machining Processes</u></p> <p><u>Chairmen:</u> J.A. Sánchez, C. Vallellano <i>TALGO room</i> <u>Session Secretary:</u> M. Batista</p> <ul style="list-style-type: none"> • Parameter Study on Laser Surface Finishing with 2D Scan Head <i>E. Ukar, I. Tabernero, F. Liébana, I. Saitua, R Villaseca, J. Sobrado</i> • Predicción de la Topografía Superficial en Acero de Herramientas Procesado con Láser de Diodo de Alta Potencia <i>E. Ukar, A. Lamikiz, S. Martinez, L.N. López de Lacalle</i> • An Experimental Analysis of Process Parameters to Manufacture Micro-Channels in AISI H13 Tempered Steel by Laser Micro-Milling <i>D. Teixidor, I. Ferrer, J. Ciurana</i> • Kerf Modelling in Abrasive Waterjet Milling using Evolutionary Computation and ANOVA Techniques <i>A. Alberdi, A. Rivero, A. Carrascal, A. Lamikiz</i> • Laser Remelting of Ti6Al4V using High Power Diode Laser <i>M.R. Amaya-Vázquez, J.M. Sánchez-Amaya, Z. Boukha, K. El Amrani, F.J. Botana</i> • A New Threshold of Accuracy, Efficiency and Ecology in the Wire Electrical Discharge Machining of Difficult-to-Machine Materials <i>J.A. Sánchez, S. Plaza, J.M. Ramos, B. Izquierdo, N. Ortega, I. Pombo</i> • USM™ (UltraSonic Molding). New Process and Machinery for Microparts Molding based on Ultrasound Excitation <i>F. Puliga, X. Planta</i>
12.30–14.00	 MES General Meeting <i>TALGO room</i>
14.00–14.30	Closing Session <i>TALGO room</i>
14.30–16.30	Closing Lunch

POSTERS (to be exhibited during the conference)

Chairmen: M. Marcos, A.J. Gámez, J.M. Sánchez-Sola

Chairwoman: I. Medina

Poster Sessions Secretaries: A. Gómez, M. Huerta, A. García-Domínguez, P. Mayuet

CAD/CAM/CAE. Advanced Manufacturing Processes

- DIC-CAM Recipe for Reverse Engineering
P. Romero-Carrillo, E. López-Alba, R. Dorado, F. Díaz-Garrido
- Comparative Study of Procedures Using Two Mold Design Tools
I. Cambero, J.M. Cidoncha, A. Marcelo, D.R. Salgado, J.M. Herrera
- Methodology for the Geometrical Characterization and 3D Modeling of End-Mill Cutting Tools
J. Salguero, P. Mayuet, R. Bienvenido, M. Batista, A. Gómez, M. Marcos

Forming Processes

- Procesado y Caracterización de Green Composites con Matriz de Polihidroxitbutirato y Refuerzos de Yute mediante Termocompresión
V.Fombuena, R. Balart, D. García-Sanoguera, O. Fenollar, M. D. Samper
- Advanced High Strength Steel (AHSS) TWIP: A Door to the Future in Metal Forming
R. Pla-Ferrando, S. Sánchez-Caballero, M.J. Reig, R. Pla, M.A. Sellés, V.J. Seguí
- Metal Forming Simulations: New Advanced Interface Models
S.R. Schmid, J. Liu, M.A. Sellés, T. Pasang
- Influence of Corrugation Shape in Steel Bars Ductility used on Reinforced Concrete
B. Hortigón, E.J. Nieto, F. Fernández, O. Hernández
- New Parametric Formulation of Elastoplastic Behavior in Ductile Metals
E.J. Nieto, B. Hortigón, F. Fernández, O. Hernández

Industrial Metrology

- Studying the Relation between Corrosion and Surface Roughness
P. Bassach, G. Quintana, I. Ferrer, J. Ciurana
- On-Machine Measurement of Turned Parts with a Laser Micrometer
G. Valiño, C.M. Suárez, C. Rico, B.J. Álvarez
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