



## Programme day 1

Time Wednesday, 29th October 2008

- 08:30 AM Registration
- 09:00 AM Welcoming and Conference Opening
- Invited Lecture:
- 09:15 AM The way from Rapid Prototyping to Rapid Manufacturing foresees particular influences on plastic injection parts molding and the tooling.  
*Gideon N. Levy - inspire AG*

10:00 AM	Track A - PRODUCT ENGINEERING	Track B - MATERIALS
	P8001 - PRODUCT INNOVATION: USING CAD TO BOOST TECHNICAL INNOVATION <i>José Gaspar</i>	P8007 - DRY DRILLING IN THE MACHINING OF HARDENED P20 STEEL <i>Rodrigo Zeilmann</i>
	P8005 - MINIMUM CONSTRAINT DESIGN AND AXIOMATIC DESIGN <i>António Gabriel Santos</i>	P8014 - PERFORMANCE OF THERMOPLASTIC INJECTION MOULDS COATED WITH DIAMOND <i>Victor Neto</i>
	P8022 - THE USE OF PAPER MODELLING TECHNIQUES IN NEW PRODUCT DEVELOPMENT <i>Tomé Canas</i>	P8013 - EVEN BASIC STEELS CAN BE BETTER <i>Dan Ridefors</i>
	P8046 - DESIGN AND MANUFACTURE OF PENGUIN DUMMIES FOR A CULTURAL EVENT <i>Pol Palouzjé</i>	P8042 - THE IMPORTANCE OF USING LIFE CYCLE APPROACHES TO SUPPORT THE DECISION MAKING PROCESS: A CASE STUDY OF MOULD MATERIAL SELECTION <i>Inês Ribeiro</i>

11:15 AM Coffee Break

11:30 AM	Track A - RAPID PROTOTYPING	Track B - PRODUCTION TECHNOLOGIES
	P8003 - POLYJET MATRIX™ TECHNOLOGY <i>Omer Sagi</i>	P8028 - THE INFLUENCE OF CNC MACHINING STRATEGIES ON PLASTIC COMPONENTS FINISH SURFACE USING DIFFERENT CAVITY MATERIALS FOR HYBRID MOULD <i>Carlos A. Costa</i>
	P8004 - OPTIMISATION OF BIOCOMPATABLE MATERIALS FOR RAPID MANUFACTURING <i>Geoffrey R Mitchell</i>	P8034 - APPLICATION OF QUICK CHANGE-OVER METHOD (SMED) IN THE PRODUCTION OF MOULDS TO THE GLASS INDUSTRY <i>Elsa Henriques</i>
	P8018 - DEVELOPMENT OF PARTS AND TOOLS FOR SELECTIVE LASER MELTING BY TOPOLOGY OPTIMIZATION AND SIMULATION MODELS <i>Hendrik Vogel</i>	P8036 - HARD COATINGS PREPARED BY LASER CLADDING PROCESS <i>Constantin Gheorghies</i>
	P8039 - BIOEXTRUSION <i>Henrique A. Almeida</i>	P8057 - Laser-milling of non-conventional materials for advanced applications <i>Jorge B. Monteiro</i>

01:00 PM Lunch

**Track A – Municipal Library Auditorium**  
**Track B - School Auditorium**

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## Programme day 1

Time Wednesday, 29th October 2008

02:00 PM Invited Lecture:  
Key factors to product design and development in the 21st century: creativity, innovation, quickness, reliability, flexibility and eco-friendly.

*Rafael Pastor*

02:45 PM	Track A - PRODUCT DEVELOPMENT	Track B - RAPID TOOLING
	P8019 - MANAGEMENT OF RESEARCH, DEVELOPMENT AND INNOVATION SYSTEMS AND THE NEW NP 4457 STANDARD: AN IMPLEMENTATION CASE STUDY <i>Jorge Sales Gomes</i>	P8024 - ADDITIVE LASER MANUFACTURING OF SMALL METALLIC COMPONENTS BY LASER MICRO-CLADDING <i>Simon Sankaré</i>
	P8023 - MANAGING AND TEACHING CREATIVE PEOPLE <i>José Loureiro</i>	P8058 - COST EFFECTIVE MANUFACTURE OF INJECTION MOULD TOOLS USING DIRECT METAL LASER SINTERED (DMLS) TOOLING --- AN INTEGRATED APPROACH. <i>Kevin Kibble</i>
	P8041 - A COMPARISON BETWEEN TWO NEW CREATIVE METHODOLOGIES IN PRODUCT DEVELOPMENT <i>Pedro Marques</i>	P8037 - THE PRODUCTION OF FULLY DENSE CONFORMAL COOLING CHANNELS IN A CUPRO-NICKEL ALLOY USING DIRECT METAL LASER SINTERING (DMLS) <i>Kevin Kibble</i>
	P8060 - THE DESIGN IN THE INDUSTRY OF GLASS IN PORTUGAL AT 20th CENTURY <i>Cláudia Teixeira</i>	P8038 - COMPARISON OF BIOMANUFACTURING TECNOLOGIES TO PRODUCE SCAFFOLDS FOR TISSUE ENGINEERING <i>Henrique A. Almeida</i>

04:00 PM Coffee Break

04:15 PM	Track A - RAPID MANUFACTURING	Track B - PLASTICS PROCESSING
	P8025 - RAPID MANUFACTURING OF FINAL DIES AND CORES FOR PRODUCTION OF LARGE SERIES OF SINTERED PARTS <i>Victor Paluzje</i>	P8006 - Simulating Micro Injection Molding aided by variotherm technology <i>Teresa Neves</i>
	P8016 - Active mixing strategies for reaction injection moulding <i>Ricardo J. Santos</i>	P8015 - OPTIMIZATION OF COMPRESSED MOULDED UHMWPE/CNT COMPOSITES FOR MEDICAL APPLICATIONS <i>Alexandra Fonseca</i>
	P8031 - A STUDY OF THE EJECTION FORCES ON MOULDING INSERTS OBTAINED BY RPT TECHNIQUES <i>Pedro Martinho</i>	P8043 - ON-LINE DIAGNOSIS SYSTEM FOR INJECTION MOULDING <i>Paulo Pinto</i>
	P8045 - RAPID MICRO-MANUFACTURING WITH INCREMENTAL SHEET METAL FORMING (I.S.F.) <i>L.Puigpinós</i>	P8017 - NUMERICAL SIMULATION FOR INJECTION MOLDING PROCESS OPTIMIZATION: CASE STUDIES <i>Tatiana Zhiltsova</i>

05:30 PM Closing Words

Track A – Municipal Library Auditorium  
Track B - School Auditorium

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## Programme day 2

Time Thursday, 30th October 2008



08:30 AM Registration

09:00 AM Welcoming and Conference Opening

Invited Lecture:

09:15 AM Architecture of products and their design for manufacturing and assembly

*Artindo Silva – IST Lisbon*

10:00 AM

Track A - RAPID TOOLING	Track B - PRODUCT DEVELOPMENT
<p>P8051 - APPLICATION OF CONFORMAL COOLING CHANNELS WITH CYCLE TIME REDUCTION AND COST ANALYSIS FOR INJECTION MOLDING BY USING HIPERMOULDS <i>Joan Guasch</i></p>	<p>P8030 - MATERIALS SELECTION IN PRODUCT DESIGN AND DEVELOPMENT <i>Marco Leite</i></p>
<p>P8055 - INCORPORATION OF NEW PRODUCT DEVELOPMENT TECHNOLOGIES IN THE TRADITIONAL PEWTER SECTOR <i>Jorge Lino</i></p>	<p>P8044 - RETROFITMENT OF A CNC MACHINE FOR ARCHLM <i>K.P.Karunakaran</i></p>
<p>P8056 - NEW RAPID TOOLING SOLUTIONS DEVELOPED IN EU PROJECTS <i>Thierry Dormal</i></p>	<p>P8052 - LEAN PRINCIPLES IN PRODUCT DEVELOPMENT <i>Carla Pepe</i></p>
<p>P8029 - THE USE OF RPT IN INJECTION MOULDS FOR LOW AND VERY LOW PRODUCTION SERIES: A CASE-STUDY ANALYSIS <i>Paulo Peças</i></p>	<p>P8002 - Time Compression Technology Why Limited Growth? <i>Ayyaz, Ahmad</i></p>

11:15 AM Coffee Break

11:30 AM

Track A - INNOVATION ON MOULDS	Track B - RAPID PROTOTYPING
<p>P8054 - THERMOELECTRICAL SYSTEM FOR THERMOREGULATION OF INJECTION MOULDING MOULDS <i>Gasper Gantar</i></p>	<p>P8048 - EFFECT OF TECHNOLOGY-DRIVEN PRODUCTS IN THE FUTURE OF PRODUCT DESIGN AND DEVELOPMENT <i>Ricardo Simões</i></p>
<p>P8050 - CUSTOMERS' SATISFACTION EVALUATION OF PORTUGUESE MOULD MAKERS BASED ON THE ECSI APPROACH <i>Irene Ferreira</i></p>	<p>P8059 - New 3D printing Design Using Piezo-electric Head <i>Shirazi, S. F.</i></p>
<p>P8032 - INJECTION MOULD FAILURE: CAUSES AND PREVENTION MEASURES <i>António Pontes</i></p>	<p>P8020 - MOULD ENGINEERING SOLUTIONS FOR SMALL SERIES PRODUCTION <i>Rui Soares</i></p>
<p>P8040 - 2D MACHINING – IMPLEMENTING A NEW PROCESS TO INCREASE PRODUCTIVITY <i>Ricardo Torcato</i></p>	<p>P8049 - The use of design templates for consumer-friendly customisation of consumer products <i>Yudhi Ariadi</i></p>

01:00 PM Closing

**Track A – Municipal Library Auditorium**

**Track B - School Auditorium**

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