



## PROGRAMME OVERVIEW

Tuesday, September 16<sup>th</sup>  
RM Platform Meeting

- 09:00 - 10:00 Arrival and Registration for RM and iCAT 2008 attendees
- 10:00 - 15:00 RM platform Meeting
- 15:00 - 17:00 Brokerage event and start of Exhibition and Poster Session
- 19:00 - 22:00 Reception for the RM meeting and iCAT 2008 delegates in Ptuj Wine Cellar (Meeting point: GH Primus loby at 19:00)

*Conference is financially supported by Slovenian Research Agency.*

**Organisers:**

- *Interesansa,*
- *Faculty of Mechanical Engineering, University of Maribor*
- *Institute for Innovation and Development, University of Ljubljana*





## PROGRAMME OVERVIEW

Wednesday, September 17<sup>th</sup>  
1st day of iCAT 2008

- 08:00 - 09:00**    **Registration**
- 09:00 - 09:15**    **Opening**
- 09:15 - 10:00**    **Terry Wohlers (Wohlers Associates, USA)**  
                          State of the Industry
- 10:00 - 10:45**    **Dan Johns (Airbus, UK)**  
                          ALM: To the space and beyond
- 10:45 - 11:00**    **Coffee Break**
- 11:00 - 11:45**    **Gideon Levy (Inspire, Switzerland)**  
                          Additive Manufacturing: Why Is the Consequent Set Up of Total Quality Management (TQM) an Absolute Must?
- 11:45 - 13:30**    **Andrea Reinhardt (microTEC, Germany)**  
                          High Volume Production by RM: Challenges And Solutions For Small Parts And Mems
- 13:30- 14:30**    **Lunch**
- 14:30 - 15:15**    **Ian Campbell (Loughborough University, UK)**  
                          Designing a New Range of Products to Capitalise on Rapid Manufacturing
- 15:15 - 16:00**    **Jukka Tuomi (Helsinki University of Technology, Finland)**  
                          Incremental Sheet Forming as Rapid Prototyping, Tooling and Manufacturing Method
- 16:00 - 16:15**    **Coffee Break**
- 16:15 - 17:00**    **Alain Bernard (Ecole Centrale de Nantes, France)**  
                          Integrated Numerical Rapid Product Development: Concepts and Examples of Application
- 17:00 - 17:30**    **David Gonzales (Prodintec, Spain)**  
                          Personalized Tools Manufactured by Rapid Manufacturing for Medical Surgery - a Success Case of a Spanish SME
- 17:30 - 18:00**    **Igor Smurov (ENISE, France)**  
                          SLM-Process Monitoring and Control
- 20:00 - 24:00**    **Conference dinner and Awards Giving Ceremony**

## PROGRAMME OVERVIEW

Thursday, September 18<sup>th</sup>  
2<sup>nd</sup> day of iCAT 2008, Morning Session

- 09:00 - 09:45 **Ian Gibson (National University of Singapore, Singapore)**  
Medical Products for Rapid Prototyping: From Prosthetics Design to Organ Printing
- 09:45 - 10:15 **Joules Poukens (University Hospital Maastricht, Netherland)**  
Medical Rapid Prototyping and Manufacturing: The Future Today?
- 10:15 - 10:30 **Coffee Break**
- 10:30 - 11:00 **Phill Reeves (Econolyst, UK)**  
Rapid Manufacturing for the Realisation of 'User Described' Customer-Centric Entertainment and Recreational Content
- 11:00 - 11:30 **Martijn Laar (Berenschot, Netherland)**  
Business Aspects of Customization and Rapid Manufacturing
- 11:30 - 12:30 **Lunch**



## PROGRAMME OVERVIEW

Thursday, September 18<sup>th</sup>  
2<sup>nd</sup> day of iCAT 2008, Afternoon Sessions

12:30 - 16:00	<b>Session 1:</b> <b>Medicine</b>	12:30 - 16:00	<b>Session 2:</b> <b>RM Business models, Quality, Design, Tooling</b>
12:30 - 12:50	<b>N. Ihan-Hren (University of Ljubljana, Slovenia)</b> Three-Dimensional Analysis of the Facial Soft Tissues	12:30 - 12:50	<b>J. Munguia (Technical University of Catalonia, Spain)</b> A soft computing based model for RM selection and cost estimation
12:50 - 13:10	<b>A. Tallis (De Montfort University, UK)</b> Rapid Manufacturing of Bioceramic Implants by Direct Writing	12:50 - 13:10	<b>S. Banerjee (De Montfort University, UK)</b> Feasibility study of 'Laser Printing' of Soluble Toner for Rapid Manufacturing
13:10 - 14:30	<b>H. Almeida (Polytechnic Institute of Leiria, Portugal)</b> Biomanufacturing Technologies And Biomaterials Used to Produce Scaffolds for Tissue Engineering	13:10 - 14:30	<b>K. Boivie (SINTEF, Norway)</b> Issues of Incremental Graded Metallic Materials by the Metal Printing Process, MPP
13:30 - 13:50	<b>M. Cronskær (MidSweden University, Sweden)</b> Application of Electron Beam Melting to Titanium Hip Stem Implants	13:30 - 13:50	<b>T. Dormal (SIRRIS, Belgium)</b> Rapid Manufacturing of Mould Inserts for Tooling improvements
13:50 - 14:10	<b>V. Didanovič (University of Ljubljana, Slovenia)</b> Congenital Deformation of the Face. Opportunity for the Use of Modern Technologies in Medicine- Case Report	13:50 - 14:10	<b>N. Sewell (University of Exeter, UK)</b> Additive Layer Manufacture of Tensile Test Specimens in Stainless Steel 316L by Laser Consolidation
14:10 - 14:30	<b>Coffee Break</b>		
14:30 - 14:50	<b>A. Cohen (Objet Geometries, Israel)</b> Mandibular Reconstruction Using 3D Printing Modeling Technology	14:30 - 14:50	<b>J. Homa (TU Vienna, Austria)</b> Fabrication of Ceramic Cross Flow Filters with Solid Freeform Fabrication
14:50 - 15:10	<b>I. Yadroitsev (ENISE, France)</b> Selective Laser Melting for Medical Applications	14:50 - 15:10	<b>N. C. Huat (Otto v. Guericke University, Germany)</b> Analysis of Tool Life for Rapid Die Casting
15:10 - 15:30	<b>A. Makitie (Helsinki University of Technology, Finland)</b> Development of Rapid Prototype Models for Temporal Bone Dissection Simulation	15:10 - 15:30	<b>D. Godec (FSB, Croatia)</b> Injection Moulding of Thermoplastics in Hybrid Tools
15:30 - 15:45	<b>N. Ihan-Hren (University of Ljubljana, Slovenia)</b> Hemifacial Microsomia - a case report	15:30 - 15:45	<b>A. Ahmad (University of New South Wales, UK)</b> Time compression technology: Why Limited Growth?
15:45 - 16:00	<b>D. Dumitriu (TUCN, Romania)</b> The Development of a Custom Maxillofacial Implant by Means of Rapid Prototyping	15:45 - 16:00	<b>N. Balci (TUCN, Romania)</b> Cad for Optimal Scaling of the 3D Model to Compensate the SLS Post-Processing Errors



## PROGRAMME OVERVIEW

### Afternoon Poster Sessions

Tuesday September 16<sup>th</sup> and Thursday, September 18<sup>th</sup>

15:00 - 17:00

14:00 - 15:00

#### Session 1:

Case Studies, Medical, Bussines, Best Practice  
Examples of RP&T&M

**J. Pandremenos (University of Patras, Greece)**

RM Product Development: Design Principles,  
Simulation And Tools

**W. Kruf (TNO, Netherland)**

The creation of a Workshop Rapid Manufacturing

**B. Valentan (University of Maribor, Slovenia)**

Investment Casting Wax Part Cooling Time  
Determination

**S. Hasan (Lancaster University, UK)**

A Comprehensive Business Model for Rapid  
Manufactured Products

**L. Cseki (TUCN, Romania)**

Development of Passive Motion Device for Post  
Operational Treatment of Knee Injuries

**M. Iliescu (Politehnica University of Bucharest,  
Romania)**

Rapid Prototyping Use in Manufacturing  
Components of a Medical Laser Device

**O. Markowska (Rzeszow University of Technology,  
Poland)**

Rapid Prototyping Methods Adapted to Accuracy  
Compatibility Analysis of Skull Decrease

**R. Pacurar (TUCN, Romania)**

Research on Improving the Mechanical Properties  
of the SLS Metal Parts

**A. Skrbinek (University of Maribor, Slovenia)**

Functionalist View: Colour Versus Colour  
Experience

#### Session 2

Design, Simulation methods, RPTM technologies, QA

**Z. Tiba (Technical University of Debrecen, Hungary)**

Application of the Kinematic and Dynamic Model  
Construction in the Medical Field

**A. H. Elkholy (Kuwait University, Kuwait)**

Forging of Hollow Cylindrical Blanks between Two  
Parallel Platens Using an Upper Bound Approach

**P. Berce (TUCN, Romania)**

SLS Parameters Optimization Using the Taguchi  
Method

**M. Matušova (Slovak University of Technology, Slovakia)**

Machining Simulation Design by Software Catia

**M. Sobolak (Rzeszow University of Technology, Poland)**

Some Aspect of Accuracy and Quality of the Small  
Holes In Stereolithography And 3DP Models

**B. Vaupotič (University of Maribor, Slovenia)**

Rapid Prototyping of Control Device for Preventive  
Control of Children Plaything

**I. Gajdos (Technical university in Kosice, Slovakia)**

Visualisation of FDM Prototypes

**E. Weiss (TU Poznan, Poland)**

RP and VC Technology Used for Made Tools for  
Injection Moulding - a Case Study

**G. Budzik (Rzeszow University of Technology, Poland)**

STL Files Parameters of the Selective Objects for  
Rapid Prototyping