

10h20 – 10h40	<i>O – Thermoforming of aeronautical windows at a temperature close to glass transition,</i> P. Gilormini, G. Régnier , L. Chevalier, Y. Belhjouane, N. Marin
10h40 – 11h00	Coffee break
Session 6 - Composites (F.Berthet and M. Niquet)	
11h00 - 11h30	KN – <i>Meso-macro simulations of continuous fibers composite forming,</i> P. Boisse (INSA Lyon)
11h40 – 12h00	<i>O – Optimisation of the Mechanical Properties Of Composites by LRI according to the manufacturing Parameters,</i> A. Njionhou , F. Berthet
12h00 – 12h20	<i>O – Voids growth mechanisms during manufacturing of aeronautical composite laminates,</i> Y. Ledru , R. Piquet, F. Schmidt, L. Michel, G. Bernhart
12h20 – 14h00	Lunch

Informations

For any other information, you can contact :

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ECOLE DES MINES D'ALBI
C A R M A U X

Conference Program

3rd Conference on Rotomoulding Thermoforming Stretch-Blow Moulding

Ecole des Mines d'Albi (France)
March, 11th-13th, 2009



<http://rts2009.enstimac.fr>



Wednesday, March 11th

13h30 – 15h00	Registration
15h00 – 15h20	Introduction speech by EMAC directors
15h20 – 15h50	J. Martin , president of french rotomoulding association
Session 1 - Simulation and optimization (G. Menary and J. McDowell)	
16h00 – 16h30	KN – <i>Design Optimization in Extrusion Blow Moulding</i> , F. Thibault (IMI, NRC)
16h40 – 17h00	<i>O – Modelling of the behaviour of PET in the glassy state and prediction of the elastic behaviour at room temperature</i> , B. Cosson , L. Chevalier, G. Regnier
17h00 – 17h20	<i>O – Instrumentation and Modelling of Injection Stretch Blow Moulding</i> , G.H Menary , Y. Salomeia, C.G. Armstrong
17h30 – 18h30	Visit of the Research Centre on Tools, Materials and Forming Processes (CROMeP)

Thursday, March 12th

9h – 9h30	KN – <i>Thickness Optimisation of Inflated Preforms by Varying Infrared Heating Coefficients</i> , M. Bordival, Y. Le Maout, F. Schmidt
9h40 - 10h	<i>O – Simulation of Thermal Phenomena During Rotational Moulding</i> , S. Sarrabi , X. Colin, A. Tcharkhtchi
10h00 – 10h20	Coffee break
Session 2 - Reactive processes (A.Tcharkhtchi and O. Perrier)	
10h20 – 10h50	KN – <i>Reactive Rotational Moulding (RRM)</i> , A. Tcharkhtchi
11h00 – 11h20	<i>O – Optimization of anionic polyamide 6 for rotational moulding process: choice of the catalyst and polymerization temperature</i> , N. Barhoumi , A. Maazouz, M. Jaziri, R. Abdelhedi
11h20 - 11h40	<i>O – Role of the interphase in the flow stability of reactive coextruded multilayer polymers</i> , K. Lamnawar, A. Maazouz
11h40 – 12h00	<i>O – Particle sintering and migration of bubbles in the rotational moulding of aerodynamic parts</i> , M. Asgarpour , F. Bakir, S. Khelladi, A. Tcharkhtchi

12h00 – 12h20	<i>O – Diagram Time-Temperature-Transformation (TTT) applied to Reactive, Rotational Moulding (RRM) of DGEBA/DETDA epoxy/amine systems</i> , E. Mounif , V. Bellenger, A. Tcharkhtchi
12h20 – 12h40	<i>O – Numerical Modelling of the Reactive Rotational Moulding</i> , J. Bikard
12h40 – 14h00	Lunch
Session 3 - Process control (A. Maazouz and P. Lopez)	
14h – 14h30	KN – <i>PET Packaging - Development of new Packaging & Process Technology</i> , K. Hartwig (Nestle Waters)
14h40 – 15h00	<i>O – Automated on-line Blowing Machine Process Control Using New Equinox™ System</i> , B. Plantamura
15h00 – 15h20	<i>O – Rapid Tooling By Stratoconception for EPS Thermoformed parts</i> , J. Massol , D. Cunin
15h20 – 16h00	Coffee break
Session 4 - End-using properties (N.Billon and B. Plantamura)	
16h00 – 16h30	KN – <i>Kinematics and microstructure development in stretched blow moulding; How does the bottle is formed ?</i> N. Billon
16h40 – 17h00	<i>O – The simulation based evaluation of the thermoformability of multi-layered, foamed and textile semi-finished products</i> , M. Begemann , W. Michaeli
17h00 – 17h20	<i>O – Structure Analysis of Stretch Blow Moulded Plastics Containers on the Basis of an Integrative Process Simulation</i> , W. Michaeli , T. Leopold
18h30 – 20h00	Gaillac Winery Tour
20h30 – 22h30	Gala Diner (Cordes)

Friday, March 13th

Session 5 - New materials and new markets (F.Schmidt)	
9h – 9h30	KN – <i>New Materials & New Markets for ISBM</i> , P. Etesse (Procter and Gamble)
9h40 - 10h10	KN – <i>Mechanical Properties of Thermoformed Structures with Knitted Reinforcement</i> , H. NIED (Lehigh University)