



## GENERAL INFORMATION

### LOCATION



Consorzio CETMA  
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Airport: Brindisi (78 km far from Gallipoli)  
A transfer service from Brindisi Airport to the Hotel will be organised on 10th September and on 13th September by the Organising Committee. You can reserve such service in the enclosed form (HOTEL RESERVATION FORM - 1)

Conference Language: English  
Conference Proceedings: A CD-Rom containing the conference proceedings will be supplied to all conference attendees upon registration.

Lunch and coffee break are included in the fee (for Gala Dinner reservation is required)

#### Participation fees:

	By 31/07/03	After 31/07/03
● For participating delegates	300 €	400 €
● For SAMPE/CORONET members	200 €	300 €
● For the Speakers	200 €	250 €
● For PhD students	100 €	150 €

#### Organizing Committee

L. Barone  
J.M. Kenny  
A. Maffezzoli  
O. Manni  
L. Monteduro  
A. Passaro  
S. Toursel

For registration and reservation of Hotel, Brindisi Airport-Hotel transfer, Gala Dinner send the enclosed registration form to:



Via Dell'Abate, 17 - 73100 Lecce ITALY  
Fax: +39 0832 231822  
info@romamultiservizi.com

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Centro di Progettazione, Design & Tecnologie dei Materiali



## International Workshop on Thermoplastic Matrix Composites 2003

11-12 September 2003  
Hotel "Le Sirenuse"  
Gallipoli (Lecce)  
ITALY

In collaboration with





# International Workshop on Thermoplastic Matrix Composites 2003

## Thursday, 11<sup>th</sup> September, 2003

- 8.30 Registration
- 9.00 Opening ceremony  
Consorzio CETMA - SAMPE Italian Chapter-University of Lecce- CORONET
- PROCESSING I**
- 9.30 Roll forming of continuous fibre reinforced thermoplastic composites - F. Henninger, K. Friedrich, *Institute for Composite Materials (IVW), Germany*
- 10.00 Over-compression moulding of thermoplastic composite pultrusions for increased stiffness and impact performance - M.D. Wakeman, Y. Conde, B. Ecabert, P-O. Hagstrand, J.-A. E. Månson, *Ecole Polytechnique Fédérale de Lausanne (EPFL), Laboratoire de Technologie des Composites et Polymères (LTC), Switzerland*
- 10.30 Pultrusion of fibre reinforced thermoplastic composites, influence of processing parameters - S. Wiedmer, K. Friedrich, *Institute for Composite Materials (IVW), Germany.*
- 11.00 Pull winding of glass reinforced pipes for acid resistant usage - C. Price, *Security Composites Ltd, UK*, A. Davenport, *Pera International, UK*, A. Nicholau, *INEGi, Portugal*
- 11.30 Coffee Break
- 12.00 Improving Low-Cost Continuous Fibre Thermoplastic Composites by Tailoring Fibre-Matrix Adhesion - F.W.J. van Hattum, J.F. Silva, J.P. Nunes, C.A. Bernardo, A.T. Marques, *University of Minho, ISEP-Inst. Sup. de Engenharia do Porto, Universidade do Porto, Portugal*
- 12.30 Vacuum Consolidation Technique as Cost Effective Manufacturing Technology for Continuous Fibre Reinforced Thermoplastics - G. Kempe and L. Häberle, *DLR, Institut für Bauweisen- und Konstruktionsforschung, Germany,*
- 13.00 Elastomeric Stamp Forming vs. Membrane Forming for Thermoplastic Composite Laminate Materials - N Reynolds, M Pharaoh, *University of Warwick, UK*, C Price, *Security Composites Ltd, UK*, G Smith, *University of Warwick, UK*
- 13.30 Lunch Break
- PROCESSING II**
- 15.30 Long fibre PP-glass composites for the design and manufacturing of recyclable sail boat - F. Felling, R. Rametta, P. Conte, F. Galluzzo, O. Manni, A. Maffezzoli, L. Barone, *Consorzio CETMA, Italy*

- 16.00 Twintex® molding : from small to medium serie - Philippe Pardo, *Saint-Gobain Vetrotex International S.A., France*
- 16.30 Thermoplastic composites unidirectionally reinforced with thermoplastic fibers - I. González-Chi, J.L. Mena-Tun, A.A. Martín-Medina, L.H. May-Hernández, J.A. Argáez-Canul, W. Ramos-Torres, A.A. Lara-Lavalle, C. Martín-Barrera, J.G. Carrillo-Baeza, *Centro de Investigación Científica de Yucatán, A.C., México*
- 17.00 Effects of coupling agents and additives on mechanical properties of PP/Fiber glass thermoplastic composites - M. Aurilia, S. Iannace, M. A. Sarasso, L. Nicolais, *University of Naples "Federico II", Italy, Sistema Compositi, Italy*
- 17.30 Coffee Break
- 18.00 Economical assessment of production processes for semi-finished products - J. Schlimbach, P. Mitschang, *Institute für Verbundwerkstoffe (IVW), Germany*
- 18.30 The thermoplastic composites TPFL® - Schappe Technique, *France*
- 19.00 High Performance Thermoplastic Composites - G. Jannerfeldt, C. Mayer, *Gurit Suprem, Switzerland*
- 19.30 Meeting of SAMPE Italian Members
- 20.30 Gala Dinner

## Friday, 12<sup>th</sup> September, 2003

### APPLICATIONS

- 9.00 Thermoplastic processing at airbus - Realized components and future approaches - C. Rückert, *Airbus Deutschland GmbH, Germany*, S. Pearce, *Airbus UK Ltd., United Kingdom*, R. A. Dominguez, *Airbus Espana S.A., Spain*, J. M. Bergerat, *Airbus France S.A.S., France*, J. L. Garcin, *Airbus France S.A.S., France*, L. R. Garcia, *EADS Casa Military Transport Aircraft Division, Spain*, P. Bertin, *Sonaca, Belgium*
- 9.30 Properties and processing of poly(aryl-ketone) matrix composites - J M Bai, D. Leach, J. Pratte, *Cytec Engineered Materials, California, USA.*
- 10.00 Welding of Thermoplastic Matrix Advanced Composites - General Issues - L. Cutillo, M. Iannone, *Alenia Aeronautica, Italy*
- 10.30 The Thermoplastic composites market & Twintex® applications - Sébastien Toursel, *Saint-Gobain Vetrotex Renforcement S.A., France*
- 11.00 Coffee Break

### NANOCOMPOSITES and BIOMATERIALS

- 11.30 Fibre-matrix adhesion in glass-fibre reinforced nylon-clay nanocomposites - P.P. Parlevliet, D.P.N. Vlasveld, H.E.N. Bersee, S.J. Picken, *Delft University of Technology, Netherlands*
- 12.00 Processing and mechanical properties of PA 6 nanocomposites - J. M. Kenny, L. Torre, A. Terenzi, *University of Perugia, Italy*
- 12.30 Biodegradable composites for medical applications - Tunable degradation rates - G. Walker, G. Jiang, A. Jones, A. Parsons, C. Rudd, C. Scotchford, *University of Nottingham*
- 13.00 Effect of processing conditions on the impregnation of glass fibre mat - R. A. Mali, S. Iannace, L. Nicolais, *ITMC-CNR, Italy.*
- 13.30 Lunch Break

### TESTING and DESIGN

- 15.30 Residual stress control in thermoplastic filament wound parts - M. Schlottermüller, R. Schledjewski, *Institut für Verbundwerkstoffe GmbH (IVW), Germany*
- 16.00 A Neural Network application in TNDE of composite materials - U. Galiotti, L. Spagnolo, *Politecnico di Bari, Italy*
- 16.30 Improvement of Thermal and Mechanical Properties of Vegetable Fibres Based Composites by a Physical Treatment - J. Biagiotti, D. Puglia, José M. Kenny, *University of Perugia, Italy*
- 17.00 Damage detection in thermoplastic composite laminates by using embedded optical fibers - I. Zivkovic, *Institute of Security, Yugoslavia*, Ljiljana Brajovic, *Civil Engineering Faculty, Yugoslavia*, P. Uskokovic, *Faculty of Technology and Metallurgy, Yugoslavia*, R. Aleksic, *Faculty of Technology and Metallurgy, Yugoslavia*
- 17.30 Coffee Break

### SANDWICH STRUCTURES

- 18.00 Processing and mechanical properties of ThermHex Thermoplastic Honeycomb and their Sandwich panels - X. Fan, J. Pflug, B. Vangrimde, I. Verpoest, D. Vandepitte, *Katholieke Universiteit, Belgium*
- 18.30 Processing and characterization of thermoplastic sandwich panels - A. Passaro, P. Corvaglia, S. Corigliano, O. Manni, L. Barone, A. Maffezzoli, *Consorzio CETMA, Italy*
- 19.00 Steps towards continuous thermoplastic honeycombs - P. Brattfisch, D. Vandepitte, J. Pflug, I. Verpoest, *Katholieke Universiteit, Belgium*