

SAMPE Europe

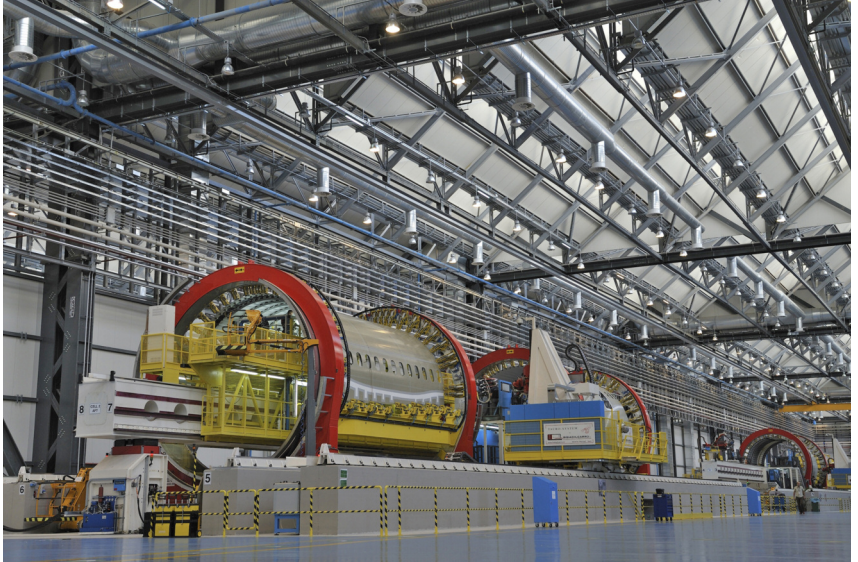
SETEC 10 BRINDISI



SAMPE EUROPE Technical Conference
and «Table-Top» Exhibition

CETMA Cittadella Ricerca
BRINDISI, South Italy
September 16th – 17th 2010

**Advanced Composites,
The Driver for high Performance Return**



Fueselage section of B-787 in AFP Technology

By courtesy of Alenia

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SETEC Brindisi Conference & Table Top Exhibition
Preliminary Programme, Registration & Booking Forms

SETEC 10 BRINDISI – Conference Programme Time Table at a Glance

WEDNESDAY, Sept. 15th 2010	13.00 – 14.00	Lunch at Table Top Area	13.00 – 14.00	Lunch at Table Top Area
10.00 – 17.00	14.30 – 17.30	3 individual Plant Tours	14.00 – 15.40	SESSION 5
17.00 – 19.00	19.30 – 22.30	SETEC 10		"Material Features"
18.00 – 19.30		Conference Dinner		Chairman: Klaus Drechsler
		Table Top Exhibition Area		Paper N° 03
				Paper N° 07
				Paper N° 12
				Paper N° 28
				Coffee Break Table Top Area
THURSDAY, Sept. 16th 2010	FRIDAY, Sept. 17th 2010			SESSION 6
08.00 – 14.00	08.00 – 16.00	Registration	15.40 – 16.10	"Matrix Characteristics"
08.30 – 09.00	08.30 – 09.00	Coffee	16.10 – 17.25	Chairman: Mark Erath
09.00 – 14.00	09.00 – 16.00	Table Top Exhibition		Paper N° 09
09.00 – 09.10	09.00 – 11.15	SESSION 3		Paper N° 13
SETEC 10 Brindisi Opening		"Processing Technology Improvements"		Paper N° 23
Chairman: Bruno Beral		Chairman: Alfonso Maffezzoli		Closure SETEC 10
President SAMPE Europe		Paper N° 29	17.30 – 17.40	Rocco Rometta & Mark Erath
SESSION 1	Key-Note 2	Paper N° 04		
"Driver for High Performance"		Paper N° 02		
Paper N° 20		Paper N° 15		
Paper N° 05		Paper N° 06		
Paper N° 11		Coffee Break Table Top Area		
Paper N° 21	11.15 – 11.45	SESSION 4		
Coffee Break Table Top Area	11.45 – 13.00	"Nano- & Thermoplast Advantages"		
SESSION 2		Chairman: Luigi Torre		
"Design Aspects"		Paper N° 08		
Chairman: Rocco Rometta		Paper N° 27		
Paper N° 10		Paper N° 19		
Paper N° 18		Paper N° 26		
Paper N° 22				
Paper N° 02				
Paper N° 16				

SAMPE Europe SETEC 10 Brindisi Technical Conference and Table Top Exhibition

Sampe Europe is very pleased to present the Preliminary Programme of SETEC 10, Technical Conference and Table Top Exhibition to be held at Consorzio CETMA, Cittadella della Ricerca, in I – 72100 Brindisi, South Italy, on September 16th. – 17th. 2010.

With reference to the “Leitmotiv” of “**Advanced Composites, The Driver for high Performance Return**”, the conference will reference the latest achievements of the Aerospace & Space Industry in regard of Materials, Technologies, Design, Processes, Application and Testing. SETEC 10 will provide in 6 Sessions 24 papers including two Key-Note address.

In parallel to SETEC 10 Conference, a Table Top Exhibition, located in a large Atrium next to the Conference Auditorium with 30 Table Top Units, will be proposed for renting at attractive rates. Those Table Top Exhibition units will provide to leading Companies, Research Centres and Universities the possibility to present their latest developments, achievements and material hands-out. For all SETEC 10 delegates, Lunch and Coffee Break will be organized in the Table Top Area, for providing to the exhibitor an excellent communication platform to hold extended talks with the conference attendees.

SETEC 10 Conference will present to all delegates the opportunity to select one of three Plant Visit Tours consisting either of ALENIA Aeronautica Plant in Grottaglie-Monteiasi – or SALVER - and Technologycom, both in Brindisi located – or to visit Agusta-Westland and I.A.S. both locations near to Brindisi Airport.

SETEC 10 Conference and Table Top Exhibition will be held at the Research Park of Consorzio CETMA, Cittadella della Ricerca, located approx. 4 km outside Brindisi – along the national Highway SS 7 in direction of Taranto, at km 706.03, using the 2nd Exit coming from Brindisi. Within the Research Park, Hotel “Foresteria dei Congressi” offers 60 rooms in a large Atrium Configuration – where the Table Top Exhibition will be held.

In addition 4 Hotels in Down-Town Brindisi offers to SETEC 10 attendees excellent accommodation to attractive rates, based on agreed contingent conditions. For related details please refer to the enclosed Hotel Reservation Form providing all required information.

SETEC 10 Standard Conference Registration will include a Welcom Reception on Wednesday evening, Sept. 15th., two Lunch, four Coffee Breaks and your participation to the SETEC 10 Dinner, to be held on Thursday evening, Sept. 16th. 2010 at the Hotel Masseria Marziale, Brindisi.

All Registration Rates and Table Top Renting Fees will be invoiced **without IVA/VAT!**

PRELIMINARY PROGRAMME

Wednesday, September 15th 2010

10.00 – 17.00h	Building up TABLE TOP Exhibition
17.00 – 19.00h	SETEC 10 REGISTRATION
18.00 – 19.30h	WELCOME RECEPTION – Table Top Area For all Conference Attendees and Table Top Exhibitors

Thursday, September 16th 2010

08.00 – 14.00h	Registration
08.30 – 09.00h	Coffee
09.00 – 14.00h	Table Top Exhibition
09.00	SESSION 1 – Plenary Conference Auditorium
09.00 – 09.10h	SETEC 10 Opening & Welcome Address Chairman: Bruno Beral, President SAMPE Europe
09.10 – 10.45h	SESSION 1 “Driver for High Performance”
Paper 20)	Key-Note Address 1: Future Perspectives for Thermoplastics based Composites in Aeronautics Speaker: M. Iannone, Alenia Aeronautica
Paper 05)	High performance Insulation for Commercial Aircrafts and Potential Advancements Speaker: Marin Schouten, Käfer Isoliertechnik, Bremen Authors: W.Bremeyer, J.-J. Rennecke, D.Tappert, M. Schouten
Paper 11)	Design and Energy Transmission for an Electronic controlled Lace Bobbin Speaker: T. von Reden, Universität Stuttgart, IFB Institut Authors: T. von Reden, K. Drechsler
Paper 21)	Development of full Composite Propulsion System for UAV's Taking off Speaker: F. Fracasso, SEPMA SrL., Authors: S. Fracasso, D. Petronio, M.Manca, F. Fracasso
10.45 – 11.15h	Coffee Break at Table Top Exhibition Area
11.15 – 13.00h	SESSION 2 – Design Aspects Chairman: Rocco Rametta
Paper 10)	Methodes of decreasing Structure Mass of large Payload Fairings of Launch Vehicle due to application of Advanced Composite Materials Speaker: V.Polinovski, Federal State Unitary Enterprise, Moscow Authors: Yu.O. Bakhvalov, S.A. Petrovskiy, V. Polinovski
Paper 18)	An analytical Study of the Application of bonded Joints in Aircrafts made of Composite Materials Speaker: A. Diaz, CT INGENIEROS, Espana Authors: D. Quast, A. Diaz

Paper 22) **Manufacturing oriented Design Optimization of layered Composite Structures**

Speaker: Marco Perillo, Enginsoft SpA., Mesagne (BR) Italia
 Authors: A. Mönicke, H. Katajisto, Compoengineering Inc, Helsinki

Paper 16) **Simulation of Residual Stress in Composite Structures: Cured-induced Distorsions and Machining**

Speaker: O. Klinkova, ENSIE, F-42100 Saint-Etienne
 Authors: S. Drapier, Ecole des Mines, Saint Etienne, J-M. Bergheau
 O. Klinkova, ENSIE, Saint Etienne

13.00 – 14.00h

Lunch in the Table Top Exhibition Area

14.30 – 17.30h

Three individual Plant Visit Tours

Tour 1) ALENIA Aeronautica, Grottaglie-Monteiasi, B-787 Fueselage Section manufacturing in AFP Technology

Tour 2) SALVER Brindisi, Advanced A/C Component and Structure manufacturing technology - & TechnologyCom, Brindisi, state-of-the-art Hot-Melt Prepreg-Plant

Tour 3) AgustaWestland, Brindisi, Helicopter Structures and Components manufacturing - & I.A.S. Brindisi, UAV Design & Developments

19.30 – 22.30h

SETEC 10 CONFERENCE DINNER

Hotel **Masseria Marziale**, Contrada Mitrano 1, Brindisi

19.30 – 20.00h

Aperitif

20.00 – 22.30h

Dinner

Friday, September 17th 2010

08.00 – 16.00h

Registration

08.30 – 09.00h

Coffee

09.00 – 16.00h

Table Top Exhibition

09.00 – 11.15h

SESSION 3 – Processing Technology Improvements

Chairman: Alfonso Maffezzoli

Paper 29)

Key-Note 2: Highly integrated Structures manufactured in One Shot using automated Processes with unidirectional Tape

Speaker: C. De Roover, S.A.B.C.A., Bruxelles
 Authors: B. Vaneghem, C. De Roover

Paper 04)

Processing Technology for the more Rapid Production of Advanced Composites

Speaker & Author: A. Sharpe, Surface Generation Ltd., UK

Paper 02)

Surface Machining and Milling by Water-Jet

Speaker & Author: R. Moeller, Flow Corporation, Bretten, Germany

Paper 15)

Applied Process Monitoring and Control of CFRP Production

Speaker: N. G. Pantelelis, National Technical University of Athens
 Authors: E. Bistekos, N.G. Pantelelis

- Paper 06)* **Accuracy and Stiffness Improvement of Robots (AFPM)**
Speaker: V. Dukovski, Institut for Advanced Composites and Robotics,
7500 Prilep, Macedonia
Authors: B. Samakoski, S. Samak, V. Dukovski
- 11.15 – 11.45h **Coffee Break at the Table Top Exhibition Area**
- 11.45 – 13.00h **SESSION 4 – Nano- & Thermoplast Advantages**
Chairman: Luigi Torre
- Paper 08)* **Advantages of Thermoplastic Laminates manufactured
in automated continuous Compression Moulding (CCM)
for Aerospace Applications**
Speaker & Author: L. De la Ossa, Xperion Aerospace GmbH.,
- Paper 27)* **Consolidation Mechanisms of Thermoplastic commingled Fabrics**
Speaker: A. Maffezzoli, Università del Salento, Lecce
Authors: A. Strafella, C. La Tegola, A. Maffezzoli, A. Greco
- Paper 19)* **The optimum Role of Nanofibers within Aerospace
Nanotechnology**
Speaker: A. Canas, FIDAMC-EADS Innovation Works, Madrid
Authors: C. Merino, Grupo Antolin, Burges – F.J. Fernandez, A. Canas
FIDAMC-EADS Innovation Works, Madrid
- Paper 26)* **Hybride multiscale Composite Reinforcement based
on Carbon Nanostructures**
Speaker: M.F. De Riccardis, ENEA, Brindisi
Authors: R. Giorgi, E. Salernitano, T. Dikonimos, N. Lisi, V. Martina,
D. Carbone, M.F. De Riccardis, ENEA, Brindisi
- 13.00 – 14.00h **Lunch in the Table Top Exhibition Area**
- 14.00 – 15.40h **SESSION 5 – Material Features**
Chairman: Klaus Drechsler
- Paper 03)* **Modelling long term moisture absorption in Honeycomb-
Core Sandwich-Panels**
Speaker: D. Larobina, National Research Council, Portici, Naples
Authors: A. Aldi, D. Larobina, CNR-IMCB, Portici, Naples
F. Manzi, G. Mensiteri, L. Nicolais, University of Naples, Federico II
E. Calvi, M. Jannone, Alenia Aeronautica
- Paper 07)* **High Performance Foam Cores for Omega Profile stiffened
monolithic Structures in Aircraft Application**
Author & Speaker: Uwe Land, Evonik-Röhm GmbH., Darmstadt
- Paper 12)* **New thermographic Technique for Assessment of Residual
Stress In Titanium Components**
Speaker: D. Palumbo, Politecnico di Bari, Dept. Ingegneria Meccanica
Authors: U. Galietti, D. Palumbo, Politecnico di Bari
- Paper 28)* **Simulated Lightning Tests on Aeronautic Composite
Structures Enclosing Fuel Vapors**

Speaker: Fernando C. Pérez, AIRBUS Military, Madrid
 Authors: F. Sequeiros Murciano, V. Quero Lopez, F.C. Pérez
 AIRBUS Military, Madrid

15.40 – 16.10h

Coffee Break in the Table Top Exhibition Area

16.10 – 17.25h

SESSION 6 – Matrix Characteristics

Chairman: Mark Erath

Paper 09)

High Temperature and Flame retardant Cyanate Ester Resins for Aerospace Applications

Speaker: G. Ladelfa, LONZA AG., CH-3920 Visp
 Authors: W. Voigt, M. Abgottspon, LONZA AG., CH.-4002 Basel

Paper 13)

Phenolic Resins in Fiber Reinforced Composites

Speaker & Author: Louis Pilato, Pilato Consulting , Bound Brook, NJ

Paper 23)

Development of innovative Epoxy Prepregs using Bio-based Curing Agents

Speaker: Luigia Longo, Cimteclab SpA., I-73010 Soletto
 Authors: P. Campagner, Cimteclab, I34012 Trieste, D. Amico, L. Longo, Cimteclab, Lecce, F. Innocente, A. Fasiello, Technologycom, Brindisi

17.30 – 17.40h

Closure SETEC 10 Brindisi Conference & Table Top Exhibition

Rocco Rametta – Mark Erath

Venue of SETEC 10 Brindisi

The Conference and Table Top Exhibition will be held at the **Consorzio CETMA**, a well known centre of Research, Testing and Teaching in the field of Advanced Composites and applied Technologies, linked to the Università del Salento. The “Cittadella della Ricerca” where CETMA is located is easy to reach, 4 km outside Brindisi – along the national Highway S.S. 7 in direction of Taranto at km 706.03 – to use Exit N° 2. (see below pictogramme)



SETEC 10 TABLE TOP EXHIBITION

The Table Top Exhibition SETEC 10 will consist of 30 Table Top Units proposed for renting at attractive rates to interested parties in the Atrium of Hotel “Foresteria dei Congressi” – located in the CETMA Complex – 30 meters from the Conference Auditorium. The Welcom Reception, the four Coffee Breaks and the two Lunch will be served in The Table Top Exhibition Area to provide to the Exhibitor an excellent communication platform to approach and create good conversation and relationship with SETEC 10 delegates to become possibly new customers. Renting details and Layout plant of Table Tops for Renting are published in the enclosed separate renting form.

Hotel Accomodation

SAMPE Europe is pleased to propose to all SETEC 10 Brindisi attendee excellent quotations of five selected Hotels in Brindisi where rooms for direct booking by the Conference Attendees have been reserved under the SAMPE Europe Contingent Contract. Please make your mind quickly and remit you reservation request directly to the hotel of your selection by applying the enclosed Reservation Form for Fax-Transmission.

SETEC 10 PLANT TOUR PROPOSAL

From the enclosed Registration form you can define that there are three different Plant Tours proposed. Since the allocation of each Tour will be limited to the seating capacity of the Busses, it is recommended to receive your registration request for your selected Plant Tour as soon as possible. However please indicate on the Registration Form a first and second choice for two of the three Plant Tours proposed.

SETEC 10 CONFERENCE DINNER

The SETEC 10 Conference will be organized at Hotel/Restaurant “Masseria Marziale”, located near to the access street to the Brindisi Airport, in the Greens This Restaurant offers the possibility to enjoy Aperitif and Dinner under “open-air” conditions if the weather will be favourable.

SETEC 10 SPONSORS

Sampe Europe is very proud and pleased to express its gratitude towards its 10 Sponsors – with showing their Logos below, who will contribute substantially for the setting up and the realization of the SETEC 10 Conference and Table Table Top Exhibition.

Here we show the 10 logos of the Sponsors



UNIVERSITÀ DEL SALENTO

