CONFERENCE PROCEEDINGS

THE EUROPEAN PULTRUSION TECHNOLOGY ASSOCIATION

7th World Pultrusion Conference
Composite Profiles Speed & Performance

25th-26th March, 2004

Dorint Sofitel Amsterdam Airport Hotel
Schiphol-Oost, The Netherlands

Organized by:

EPTA

Association Address:
P.O. Box 18
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THE NETHERLANDS

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9.00 AM Welcome and opening remarks
Eric Moussiaux, EPTA’s Chairman

KEY NOTE SPEECHES

1. Composites in Airbus Aircraft
   Dipl. ing. Bernd Räckers, Senior Manager
   Airbus, Composite Technology, Materials & Processes, Bremen, GERMANY

   Mr. Peter A. Testa & Devyn Weiser, Testa Architects, Los Angeles, USA
   Mahadev Raman & Markus Schulte, ARUP, New York, USA

10.30 AM MARKETING SESSION

3. Is there a bright future for fibre reinforced polymers (FRP) in bridge construction?
   Professor Urs Meier, Swiss Federal Laboratories for Materials Research, EMPA
   Dübendorf, SWITZERLAND

4. Generic Image Branding of Composites
   Ing. Jaap H. Ketel, Association Director EPTA, Leusden, THE NETHERLANDS

5. Global Partnerships for low cost Manufacturing
   Mr. Sunil K. Saxena, Owens Corning (India) Ltd., Mumbai, INDIA

12.00 AM ACADEMIC RESEARCH SESSION

6. Manufacture of Fibre-Reinforced Composite Reinforcing Bars for Concrete by Microwave Assisted Pultrusion (MAP)
   Dr. Jim M. Methven and F. Khalaf
   Centre for Manufacture, UMIST, Manchester, UNITED KINGDOM

7. Recent Research Advances at Lancaster University on Double-Lap Bolted Tension Joints in Pultruded GRP Plate Material
   Mr. G. J. Turvey and P. Wang, Lancaster University, Bailrigg, Lancaster,
   UNITED KINGDOM

8. Pultrusion process modeling by finite element analysis and experimental verification
   Dr. ir. Guy Van Assche & Bruno Van Mele, Vrije Universiteit Brussel, Brussels,
   BELGIUM
14.30 PM  NEW MATERIALS DEVELOPMENT SESSION

   Mr. James L. Lambach, Bayer Polymers LLC, Pittsburgh, PA, USA

10. Continuous Filament Basalt Fiber Reinforcements
    Mr. Graham Miller, Sudaglass Fiber, Houston, TX, USA

11. New Developments in High Performance Thermoplastic Composites and their Applications
    Mr. Chris Edwards, The Dow Chemical Co., Midland, MI, USA
    Mr. Alfonso Branca, Topglass SpA, ITALY

16.00 PM  MATERIALS ASSESSMENT SESSION

12. Eco-Efficiency Analysis of SMC Parts
    Dr. Bert Handels, SMC Alliance Europe
    Dipl. Ing. Silke Schmidt, BASF, Ludwigshafen, GERMANY

13. Value Chain of Carbon Fiber
    Mr. Anthony Roberts, Grafil Inc., Irvine, CA, USA
9.00 AM  SPEED & PERFORMANCE SESSION

14. Tough Choices for Pultruders – Polyurethane for High Performance Pultrusions
   Mr. Joseph E. Sumerak, Pultrusion Dynamics Division, Creative Pultrusions Inc., Oakwood Village, OH, USA

15. High Performance Pultruded Composite Profiles – Case Cern
   Mr. Matti Suominen, Exel Oyj, Heinavaara, FINLAND

16. A pultruded high-speed harness frame for weaving looms
    Ir. Ludo Van Schepdael, Solico BV, Oosterhout, THE NETHERLANDS

17. “Tilting Bird ” Design of a Composite Safety Fence
    Mr. Aldert Verheus & Mr. Michael Gan, Centre of Lightweight Structures TUD-TNO, Delft, THE NETHERLANDS
    Valeria Antonelli, Topglass SpA., ITALY

18. 100 ft. Pultruded GRP Tower
    Mr. Nitin Kibe, Balaji Composites Ltd, Pune, INDIA

19. Utilization of Structural Pultruded GFRP Profiles in Venice and Historical Buildings
    Prof. Salvatore Russo, IUAV University of Venice, Venice, ITALY

11.30 AM  CATAPULT SESSION

20. When Material Data face Reality at the Example of a built Catapult
    Prof. Dr.-Ing. Jens Schuster, University of Applied Sciences Kaiserslautern, GERMANY

21. How to design, build, promote and shoot a winning catapult
    Mr. Kari Aalto, Team Triple Strike, University of Helsinki, Helsinki, Finland
    Sponsored by Exel Oyj