CONFERENCES PROCEEDINGS

5th World Pultrusion Conference

Celebrating
50 YEARS OF PULTRUSION
&
10 YEARS OF EPTA

April 13 – 14, 2000

Organised by:
EPTA
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THE NETHERLANDS

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CONFERENCE PROGRAMME, THURSDAY 13th April, 2000

09.00 AM WELCOME AND OPENING REMARKS

'50 Years of Pultrusion': Pioneers Session
'50 Years of Pultrusion': Prophets Session

11.30 AM PRODUCT PERFORMANCE SESSION 1

1 Strength Retention of Pultruded Composites After Exposure to Ultra-Violet (UV) Light
   Mr. Ben R. Bogner & Mr. P.P. Borja
   BP Amoco Chemicals, Naperville, Illinois, USA

2 Fully Reversed Cyclic Performance of Pultruded Frame Structures
   Prof. Ayman S. Mosallam
   California State University, Fullerton, California, USA

3 New Flame Retardants for Pultruded Composites
   Dr. Sebastian Hörold
   Clariant GmbH, Hürth-Knapsack, GERMANY

14.00 PM TECHNOLOGY SESSION

4 Selective Interval Pulshaping™ – A New “Means to an End” Enabled by Variable Cross-Section Thermoset Pultrusion
   Mr. Joseph E. Sumerak,
   Pultrusion Dynamics Division, Creative Pultrusion Inc., Ohio, USA

5 Bent Pultrusion – A Method for the Manufacture of Pultrudate with Controlled Variation in Curvature
   Dr. Nick Tucker*, Dr. David Britnell, Dr. Gordon Smith & Mr. Paul Waite
   Warwick Manufacturing Group, University of Warwick, Coventry, UNITED KINGDOM

6 Gelcoats as Protective Coating for Pultrusion
   Mr. Paul De Franco
   Ferro Corporation, Cleveland, Ohio, USA

15.40 PM APPLICATION SESSION 1

7 Applications for Fulcrum® Thermoplastic Composite Technology
   Mr. Ed L. d’Hooghe, Mr. B. Hoek & Mr. C.M. Edwards
   Dow Benelux N.V., Engineering Plastics TS & D, Terneuzen, THE NETHERLANDS

8 Using Pultruded Composite Components in the Vehicle Manufacturing Industry
   Mr. J. Verhaeghe
   Stevens Carrosserie N.V., Lokeren, BELGIUM
CONFERENCE PROGRAMME, FRIDAY 14th April, 2000

09.00 AM RAW MATERIALS SESSION

9 The Influence of Resin Type on the Properties of Carbon Fibre Reinforced Pultrudates
   Mr. Peter Dijkink
   DSM Composite Resins, Zwolle, THE NETHERLANDS

10 Natural Fibres as Reinforcement for Thermoplastic Pultrusion
    Dr. Kathleen Van De Velde
    Ghent University, Department of Textiles, Zwijnaarde, BELGIUM

11 Property Enhancement and Process Optimisation with Additives
    Mr. Gerard H.L. Reestman
    BYK-Chemie GmbH, Wesel, GERMANY

12 A Special Low Profile System Giving Minimal Shrinkage and Reduced Costs
    Mr. Helge Siljan,
    Reichhold AS, Sandefjord, NORWAY

10.50 AM PRODUCT PERFORMANCE SESSION 2

13 Adhesive Bonding: Lasting Performance
    Mr. Eric Moussiaux & Mr. Anton Lügering
    Bekaert Composites, Oudenaarde, BELGIUM

14 Reliable and Faster Analyse Methods for Composite Bridges
    Mr. Ane de Boer

14.00 PM APPLICATIONS SESSION 2

15 Pultruded Fiberglass Windows, Here is What is Happening in North America and Europe
    Mr. Luigi Giamundo
    ATP srl, Angri (SA), ITALY

16 Great Miami Composite Deck Project
    Mr. Louis N. Triandafilou
    Federal Highway Administration, Baltimore, Maryland USA

17 A New Kind of FRP Protective Cover System for Contact Rail
    Mr. Ding Chuanrong, Mr. Dong Yuda, Mr. Tan Jiamao, Wang Bingquan & An Qingsheng
    Harbin FRP Institute, Harbin, THE PEOPLE’S REPUBLIC OF CHINA

18 Pultruded High - Strength Glass-Fiber Reinforced Monolithic Structural Shapes with Large Cross Sections
    Professor Andrei E. Ushakov, Mrs. T.G. Sorina, A.H. Hairetdinov & Mr. Y.G. Klenin
    ApATECh - Applied Advanced Technology Company, Ltd., Zhukovsky City, RUSSIA

VERBAL PRESENTATION CANCELLED

Continuous Basalt Reinforcing Fibers for Pultrusion
    Professor R. Verulashvili, L. Gabunia, U. Kamushadze
    Cartu Group, Tbilisi, GEORGIA