

## 第8回GRCA会議の講演プログラム

1991年10月22日～10月24日の3日間において開催された第8回GRCA会議の講演プログラムをご紹介します。

今回の会議は、前回と同様に6セッションに分けられ合計36の講演が行われました。講演の内容については、視察団の方々が取り纏めておりますので、次号以下で報告させていただきます。

名 称 第8回GRCA会議  
開催場所 オランダ国、マーストリヒト市  
マーストリヒトMECC

開催期間 1991年10月22日  
～10月24日

プログラム

10月22日(火) 午前

SESSION 1—CEMENTS, MATRICES AND FIBRES

Chairman: Mr Y. Ishii, Japan GRC Association

1 A New High Durability Cement for GRC Products.

G.C. Gartshore, Blue Circle Industries, et.al U.K.

2 The Many Improvements of GRC By Polymer

Modification.

Ir. C. van der Plas, Intron, The Netherlands

- 3 Some Issues of Durability and Shrinkage in GFRC

H J Molloy. et.al., J Molloy & Associates, U.S.A.

- 4 The Benefits of Using GRC in a Mixed Fibre Composite in an Underground Mining Application—A Case Study. C.A. Visser, Grinaker Precast, South Africa

- 5 High Durability Glassfibre Reinforced Cement using a Modified Cementitious Matrix. P. Soukatchoff Centre de Recherches de Pont-A-Mousson, France, et.al.

- 6 Effects of Sand Gradation on Shrinkage of GFRC. Thomas G. Harmon, Consultant, U.S.A.

10月22日(火)午後

**SESSION 2—NEW PRODUCTS AND PROCESSES**

Chairman: E. Knowles, PCI-GFRC, U.S.A.

- 7 Telecommunications and Irrigation Channels.

N. Bhattacharya, et.al., FGP Limited, India

- 8 The Sory of the Champion in Surface Water Drainage-DECATHLON.

D.W. Monks. Hodkin & Jones, U.K.

- 9 Use of GRC in Domestic Housing

Jean-Pierre Rouzeaud, Betsinor, France

- 10 The Application of New Type GRC to Outer Walls of High Rise Buildings. T. Awaya, et.al., Central Glass Co. Ltd, Japan

- 11 Slimline II-Another Form of GRC

R.M. Farahar, Slimline Technology Limited, U.K.

- 12 Reproduction of Historical Facades On-site with Rubber Moulding Techniques.

Peter Hein, Reckli GmbH. Germany

10月23日(水)午前

**SESSION 3—PERFORMANCE, DESIGN AND TESTING**

Chairman: I.G. White, GRCA, U.K.

- 13 The Effects of Natural Ageing on a Polymer Modified Glass Fiber Reinforced Concrete.

Brian M. McDonald, et.al., Failure Analysis Associates, U.S.A.

- 14 Design Method for GRC Tile-Faced Architectural Panels. M. Sakurai, Asahi Glass Co. Ltd., Japan

- 15 Testing of Glass Reinforced Cement Panels.

John P.H. Frearson, Messrs Sandberg, U.K.

- 16 Innovation and Economics in GRC Facade Design and Manufacture.

Leo Spork, L N Spork & Associates, Australia

- 17 Performance Studies on Glassfibre Reinforced Cement. Y.H. Loo, et.al., National University of Singapore

- 18 Safety Aspects of Architectural Cladding Panels

P. Curiger, Stahlton AG, Switzerland

- 19 Contribution to Understanding Glass Fibre Reinforced Concrete—General Principles Governing the Cure of the Materials.

R. Cope, et.al., C S T B, France

10月23日(水)午後

SESSION 4—QUALITY ASSURANCE

Chairman: Prof. A Meyer, F.V.F. Germany

- 20 GRCA Approved Manufacturers Scheme — An Established Procedure in Action. G.J. Purslow, Smithers Purslow International, U.K.
- 21 Quality Control Certification of GFRC Production Facilities in the United States. F. William Horstey, et.al., Architectural Cladding Systems Inc., U.S.A.
- 22 Expert Panel: Debate on CEN and ISO Standards
- 23 AGM of the Glassfibre Reinforced Cement Association
- 24 Meeting of the Members from the Technical Committees of the European Associations

10月24日(木)午前

SESSION 5—PROJECT CASE STUDIES

Chairman: J.L Lesage Holzbacher, Spanish GRC Association

- 25 DSM Resins Head-Office and Laboratory Complex: A Detailed View Henk Hamhuis—Architectenburo Hamhuis, The Netherlands; Arie Palte — Ing. Bureau A. Palte. BV, The Netherlands; Rein van Sommeren—Prepton BV, The Netherlands
- 26 Olympic Village and EXPO '92 Project 1—Organisation requirements of large contracts. Enrique Marquez Gonzalez, Dragados Y Construcciones SA, Spain

27 Performance of Lightweight GRC and Architectural Application. Y. Kuroki, Chichibu Cement Co. Ltd. at.al., Japan

- 28 Three Renovation and Restoration Projects Utilising Glass Fiber Reinforced Concrete Cladding Panels. Edwin A. McDougale, Ross Bryan Associates Inc., U.S.A.
- 29 School of Engineering—University College, Dublin. G.R.C. Stud Frame Case Study — Inception to Completion. EA. McLernon, Scott Tallon Walker, Ireland; I. Roberts-Ove Arup & Partners, Ireland; T. Devey-Techcrete Ltd., Ireland
- 30 Renovation of the Senri-Chuo Shopping Center K. Kotake, Nippon Sheet Glass Co. Ltd., Japan
- 31 GFRC Cladding Panels for the San Francisco Marriott Hotel. E.S. Knowles, Latayette Manufacturing Inc., U.S.A.

10月24日(木)午後

SESSION 6—MANUFACTURING EQUIPMENT

Chairman: I. Zuresco, APCCV, France

- 32 Wellcrete—An Advanced Technology for the Low Cost Manufacture of High Quality Fibre Concrete Products. Prof. Dr. Ing. Adolf Meyer, Heidelberg, Germany
- 33 Facade Panel Production with Installation of Robot Spraying—Part I Giancarlo Meli, OCM VALMA Spa. Italy
- 34 Facada Panel Production with Installation of

- Robot Spraying—Part II  
V. Zucchini, Mico S.r.l Italy
- 35 Automation Towards 2000—A Review of Automated Control Systems in the GRC Production Process. I.G. White, et.al., Power Sprays Ltd., U.K.
- 36 Fully Automatic, Computer Controlled GRC Production.  
H. Hasenfratz, Hasenfratz GmbH, Germany