

Tuesday 9th May 2023

19:00 – 21:00 Welcome Reception

Wednesday 10th May 2023

08:00 Registration, coffee & croissants

09:15 Introduction to the Congress

09:25 Chairman's Welcome Address

Innovation and Research

Session 1

09:45 Keynote Address by Professor Mario Carpo of The Bartlett School of Architecture

10:30 Digital fabrication and prototyping of structural ribbed concrete shells using an automated robotic concrete spraying fabrication process

10:50 *Discussion*

11:00 Morning Break

Innovation and Research

Session 2

11:20 Development of Predicting Model of Bending and Compressive Strength with Maturity Method in GRC

11:40 3D-Printed Formworks for Glass-Fibre Reinforced Shotcrete

12:00 The Benefits of Advanced Equipment for GRC Production

12:20 A New Mould Making Technology for a Sustainable Future

12:40 *Discussion*

12:50 Lunch

Innovation and Research

Session 3

13:50 Experimental Study on Ultra-High Performance Glass Fibre Reinforced Concrete

14:10 University-Industry Collaboration on GRC: From Long Term Deformation Monitoring of GRC Panels to Seismic Retrofit of Substandard Reinforced Concrete Columns

14:30 Development of Ultra-High-Performance Cementitious Sandwich Panel for Complex Shaped Structural Applications

14:50 5-year Aged Properties of GRC made with and without Forton

15:10 *Discussion*

15:20 Afternoon Break

New Products

Session 4

15:40 How to make GRC look like metal; GRC metal, a great alternative to metal cladding

16:00 Innovative GRC brick-slip claddings – technology, potential and benefits

16:20 UHPC for the Realization of Complex Elements

16:40 *Discussion*

16:50 *Summing Up*

17:00 Close of Wednesdays Sessions

Thursday 11th May 2023

08:00 Coffee & Croissants

Design and Standards

Session 5

09:00 Keynote Address by Elaine Toogood of The Concrete Centre

09:45 Changes to European GRC Standards

10:05 The Challenge of a Growing GRC Market

10:25 Development and Testing of Fixings for GRC panels

10:45 *Discussion*

10:55 Morning Break

Materials

Session 6

11:15 Keynote Address by Paul Nicholas of The Royal Danish Academy

12:00 50 years of AR Glass fibre production in Japan

12:20 Minolite, the new generation of Light Weight Aggregates to improve GFRC performances

12:40 *Discussion*

12:50 Lunch

Applications

Session 7

13:50 Project for facade at Hotel Taj GVK at Mumbai domestic airport

14:10 GRC Design Trend in Japan

14:30 The Crossrail GRC Jigsaw

14:50 GRC Products used on Buddhist Monasteries

15:10 *Discussion*

15:20 Afternoon Break

Applications

Session 8

15:40 Supply and Installation of GRC Cladding Panels using Stud Frame Technology

16:00 Benefits from the use of fiberglass concrete

16:20 Summary of GRC Projects in India

16:40 *Discussion*

16:50 *Summing Up*

17:00 Close of Thursdays Sessions

19:00 Gala Dinner at The Congress Centre, with GRCA Awards

Friday 12th May 2023

08:00 Coffee & Croissants

Architectural Focus

Session 9

09:00 – 12:30 A selection of presentations on projects featuring architectural GRC

12:30 Lunch and Close of All Sessions