

National symposium on  
**GFRP bars for Concrete Structures**

**“Future Proofing Australian Infrastructure”**

30 November 2022

MSQ Meeting room MG.05, 61 Mary Street, Brisbane City, Qld 4000

Organised by the Transport and Main Roads and the University of Southern Queensland (UniSQ)

**Program (30 November 2022)**

**Asset owner’s session (9am-10:30am)**

- **9:00-9:10am** – Opening and Acknowledgement of Country (Director General, TMR)
- **9:10-9:25am** – Mr Senarath Senarath Weerakoon, MSQ and Prof Allan Manalo UniSQ – *State-of-the-practice on GFRP bars in concrete infrastructure and outcomes in maritime infrastructure*
- **9:25-9:40am** – Mr Basil Ben, Transport New South Wales – *Perspective on GFRP bars in CRC pavements*
- **9:40-9:55am** – Dr Khodamorad Nabaki, Aurecon – *Opportunities for GFRP bars in bridge infrastructure*
- **9:55-10:10am** – Prof Rebecca Gravina, University of Queensland – *Durability on FRP bond to concrete*
- **10:10-10:30am** – Open discussion on challenges and opportunities of GFRP bars in infrastructure (*Facilitator: CD Sorbello*)

**10:30-11am – Morning tea and networking**

**Designer and contractor’s session (11am-12:30pm)**

- **11:00-11:25 am** - Dr Gingham Maranan, FRP Buildings – *Design software for GFRP bars*
- **11:25-11:40am** – Mr Jacob Morris, The Jetty Specialist – *GFRP bars for floating pontoons*
- **11:40-11:55am** – Mr Loughlin Smith, Australian Marine Civil – *Industry experience in GFRP reinforced boat ramp planks and approach slab*
- **11:55am-12:10pm** – Mr Rob Frazer, Engineering consultant - *Design and construction of Molecular Horizon Building*
- **12:10-12:30pm** – Open discussion on challenges and opportunities for designing and constructing GFRP reinforced projects (*Facilitator: SZ Weerakoon*)

**12:30-1:30pm – Lunch and networking**

**Standards and suppliers (1:30-3pm)**

- **1:30-2:00pm** – Ms Henrietta Tan and Mr George George Sfinas, Standards Australia – *Development of Australian Standards for GFRP bars*
- **2:00-2:15pm** – Dr Stephen Rae, E&T, TMR – *A new technical specification for GFRP reinforcement: MRTS271*
- **2:15pm-2:30pm** – Mr Darren Lutze, Inconmat – *Ensuring project quality using code compliant GFRP bars*
- **2:30-2:50** Open discussion on Transport, Industry and Academic Partnership to deliver resilient GFRP-reinforced infrastructure (*Facilitator: AC Manalo*)

**2:50-3pm - Closing** Mr Charles Dean Sorbello, Project Manager (Maritime Infrastructure Resilience)

**3pm-4:30pm – Networking**