



W·E·B·I·N·A·R

PIANC's Inland Navigation Commission (InCom) organises a webinar on
'Composites for Hydraulic Structures'

DATE

SESSION ONE: 29 November 2021 – 09:00-11:30 EST US

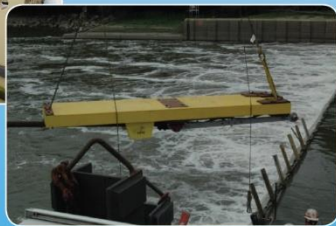
SESSION TWO: 30 November 2021 – 09:00-11:30 EST US

Central Europe	15:00-17:30
Beijing, China	22:00-00.30
Qld Australia	00:00-02:30



PIANC

InCom WG Report
n° 191 - 2020



COMPOSITES FOR HYDRAULIC STRUCTURES

The World Association for Waterborne Transport Infrastructure

Coordinator:

Dr. Ray Liang, rliang@wvu.edu, WVU

The two 2.5-hour sessions will feature twelve presentations dealing with PIANC WG-report 191 on 'Composites for Hydraulic Structures' and will conclude with panel discussion and closing remarks by Dr. Hota Gangarao, Chairman of PIANC WG 191. This conference will be recorded.

Optional: Manuscripts for 'Sustainable Structures' journal are encouraged.

Workshop Organising Committee

- Philippe Rigo, PIANC InCom Chairman
- Hota Gangarao, Chairman of PIANC WG 191
- John Clarkson, USACE, PIANC InCom
- Ray Liang, Editor of PIANC WG 191 Report and Chief Editor America, Sustainable Structures Journal

**SESSION ONE: 29 November 2021 –
09:00-11:30 EST US | Central Europe 15:00-17:30**

Moderators: Mr Philippe Rigo and Mr John Clarkson



<p>WELCOME & OPENING REMARKS 09:00-09:05</p>	<p>Mr Philippe Rigo Chairman of PIANC InCom</p>
<p>INTRODUCTION OF THE TOPIC 09:05-09:15</p>	<p>Mr John Clarkson USACE, PIANC InCom</p>
<p>ANNOUCEMENT 09:15-09:20</p>	<p>Greetings from PIANC-SMART Rivers 2022, 18-21 October 2022 in Nanjing, China Mr Gensheng Zhao NHRI, China</p>
<p>PRESENTATION 1 09:20-09:35</p>	<p>USACE's Vision for Use of Composites Mr Charles Wiggins USACE</p>
<p>PRESENTATION 2 09:35-9:55</p>	<p>Composite Structure and Innovative Practices for Waterways Mr Hai Fang China</p>
<p>PRESENTATION 3 09:55-10:15</p>	<p>Design and Manufacturing of the World's Largest FRP Lock Gates in the Wilhelminakanaal Mr Jan Peeters FiberCore Europe</p>
<p>PRESENTATION 4 10:15-10:35</p>	<p>Overview of USACE Civil Works FRP Composite Projects Mr Jonathan Trovillion USACE</p>
<p>PRESENTATION 5 10:35-10:50</p>	<p>Wicket Gate: Design, Manufacturing, Testing and Field Implementation Mr Hota Gangarao WVU</p>
<p>PRESENTATION 6 10:50-11:05</p>	<p>Current Waterway Applications of Large Molded FRP Structures Mr Scott Reeve Creative Composites Group</p>
<p>PRESENTATION 7 11:05-11:25</p>	<p>Design Considerations and Manufacturing of FRP Lock Gates and Other Marine Structures Mr Martijn Veltkamp FiberCore Europe</p>
<p>CLOSURE OF SESSION ONE 11:25-11:30</p>	<p>Mr Philippe Rigo and Mr John Clarkson Reminding Session Two on 30 Nov</p>

**SESSION TWO: 30 November 2021 –
09:00-11:30 EST US | Central Europe 15:00-17:30**

Moderators: Hota Gangarao and Ray Liang



WELCOME & OPENING REMARKS 09:00-09:05	Mr Hota Gangarao Chairman of PIANC WG 191, USA
PRESENTATION 8 09:05-09:25	Biomimetic-Inspired Composite Pile Repair System Mr Allan Manalo Australia
PRESENTATION 9 09:25-09:45	Design for Durability and Calibration of Partial Factors for FRP in Hydraulic Structures Mrs Liesbeth Tromp Royal Haskoning DHV, Netherlands
PRESENTATION 10 09:45-10:05	FRP Sheet Piles for Bridge Abutment and Channel Protection Mr Christopher Gamache CARDNO, USA
PRESENTATION 11 10:05-10:25	Composites Advantages for Coastal Applications Mr Jonathan Benvenuto U.S. Coast Guard, USA
PRESENTATION 12 10:25-10:45	Dissemination of WG 191 Report: Composites for Hydraulic Structures Mr Ray Liang WVU
PANEL DISCUSSION 10:45-11:25	Strengths & Weakness of Composites and ‘What Is Missing and Where Are We Heading?’ Speakers to be Suggested
CONCLUDING REMARKS & ACTION ITEMS 11:25-11:30	Mr Hota Gangarao WVU, Chairman of PIANC WG 191
CLOSURE 11:30	Mr Hota Gangarao and Mr Ray Liang Reminder Symposium on Composites at Smart Rivers 2022



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