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ABSTRACTS
EXHIBITION



35th PIANC WORLD CONGRESS
FUTURE READY WATERBORNE TRANSPORT • UNLOCKING AFRICA
CAPE TOWN, SOUTH AFRICA • 29 APRIL – 03 MAY 2024

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SUBMISSION IS
CLOSED**

The preliminary programme
will be published on **29**
February 2024.

THE CONFERENCE WILL INCLUDE STREAMS THAT FOCUS ON:

1. Overcoming Africa's waterborne transport challenges

- a. Creative maintenance solutions in ports
- b. Alternative funding methods for developing greenfields projects
- c. Solutions for addressing climate change in existing ports
- d. Refurbishment of old port infrastructure to accommodate the export of green fuels
- e. Smart ports vs ageing infrastructure
- f. Multi national export corridors for land locked countries
- g. Other

2. Dredging (in the framework of port and navigation projects):

- a. Effective planning and execution of dredging projects
- b. Lessons learned from dredging projects worldwide
- c. Risk management in dredging projects
- d. Disposal site planning taking into account alternative land uses
- e. Current dredging & management innovations
- f. Other

3. Logistics & Infrastructure:

- a. Challenges for capitalizing navigational channels bordering lands
- b. Synergies among airports, ports and inter-modal assets
- c. Integrated management of global supply chains
- d. Integrating ports and economic special Zones
- e. Dry ports and Inter-modal connections
- f. Provision of added value logistic services in maritime hubs
- g. Other

4. Ports:

- a. Impact and innovative solutions for hinterland ports
- b. Ports of the future: technologies, automation, traceability
- c. Port management models
- d. Maritime Port planning and operations
- e. Coastal and Port Engineering (in relation with navigation)
- f. Dry docks and ship repair, ship building, ship repair, offshore industry
- g. Developments in the design and use of alternative / greener construction materials in marine infrastructure
- h. Other

5. Marinas and small craft harbours:

- a. Sustainable and resilient marina design–Marinas Working with Nature (best practices and case studies)
- b. Marinas as part of Tourism, Ports and Urban Master Plans (best practices and case studies)
- c. Planning Framework for Recreational & Tourism Navigation Infrastructure Systems (goals, strategies and challenges)
- d. Regulatory Framework and Private Marina Development in Countries in Transition (best practices and case studies)
- e. Regional Cooperation and Standardization of Recreational Navigation Information Systems Transition (best practices and case studies)
- f. Recreational components of mitigation plans for large navigation infrastructure projects

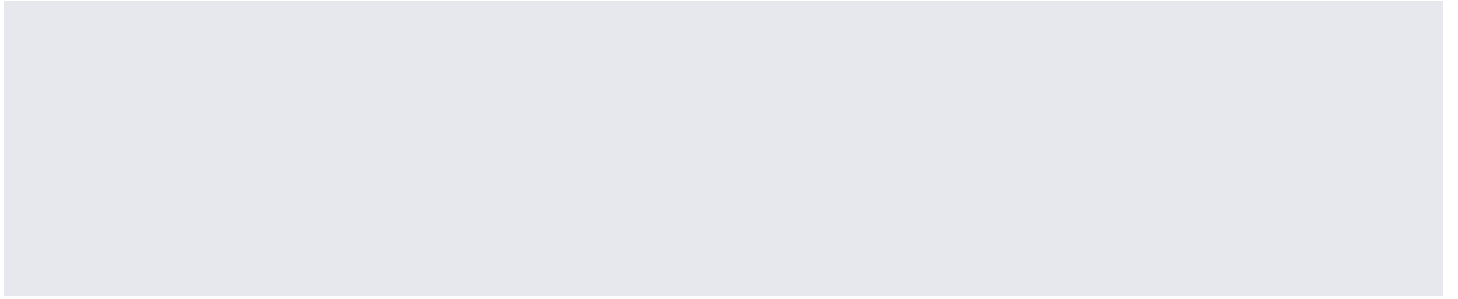
g. Other

6. Environment:

- a. Environmental management in navigation
- b. Climate change and emissions, energy efficiency, international regulations, carbon markets
- c. Fresh water availability for operations
- d. New technologies on infrastructure, pollution prevention, port reception facilities and ballast water
- e. Multiple purpose water resource systems (transport, energy, recreation, ecosystems, watersheds, potable water, ...)
- f. Navigation as a green transportation mode
- g. Societal awareness and responsibility, combining economic growth, environment / sustainability and welfare
- h. Climate Change Mitigation in the Maritime Industry
 - i. Coastal Zone and Coastal Risk Management
 - j. Storm Surge & Tsunami barriers and Flood protection gates
 - k. Other


7. Inland Navigation:

- a. Integration of inland waterways into inter-modal supply chain
- b. Inland navigation, waterways, ports & terminals
- c. Systems and Infrastructures: design & management for inland navigation projects
- d. River Information Services (RIS, AIS, others)
- e. River navigation flow control
- f. Saltwater intrusion
- g. Maintenance and operation of IW, transport & infrastructures
- h. Inland navigation in Africa
- i. Other



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