22 and 23 June 2010
Port Infrastructure Seminar
Delft, The Netherlands

The Port Infrastructure Seminar 2010 aims to stimulate innovation in port infrastructure design, operations and maintenance through the presentation and exchange of results of applied research and technologies. In this 2nd Announcement you will find an overview of the programme, including the topics of some renowned keynote speakers and the list of selected papers and their authors. The abstracts received led us to add Environment again to the four themes shown in the 1st Announcement. There will be ample time for discussion during the sessions, the coffee and lunch breaks and for informal exchange during the excursion on 21 June and the dinner on 22 June. The seminar will be both useful and enjoyable for every participant.

Keynote Speakers

H.de Bruijn, Director Corporate Strategy Port of Rotterdam Authority / Associated Professor Ideal Port, University of Applied Sciences Rotterdam. Ports of the Future, the strategy of Rotterdam and the co-operation in Sohar (Oman).

Ms. S. Kullmann, Deputy Head of Strategy / Port Development, Hamburg Port Authority. Sustainable Port Development within the City.

H. Henriksen, Head of CSR, APM Terminals. Sustainable port solutions.

T. Tessier, Chief Advisor Antwerp Port Authority. Ports & Environment: between cooperation and competition.

W. Vlemmix, Ex. Director Infrastructure and Environmental Affairs. Structural solution & port development, Port of Amsterdam, and a new sealock in IJmuiden.

W. Winkelmans Em.Professor University of Antwerpen. Sustainable port development and technological innovation, case study Port of Antwerp.

Who is invited

- Port authorities
- Governmental organisations
- Academic institutions
- Research and technology institutions
- International organisations and the shipping community
- Terminal operators
- Port service providers
- Non-governmental organisations
- Other professional organisations involved in port and maritime development
Programme Seminar Port Infrastructure 2010

Opening Session
Opening Address:
Mark Dierikx, Director General
Directorate-General for Civil Aviation and Maritime Affairs
Ministry of Transport, Public Works and Water Management.

Port Planning
P. Barendse et al. (TU Delft), Design of sustainable complex industrial port areas.
J. de Bont et al. (Deltares), Measurements of ship motion.
A. Dastgheib et al. (UNESCO-IHE), Port development in Vanuatu.
J.C.M. van Dorsser et al. (TU Delft), A very long term forecast for the development of cargo flows.
P. de Girolamo et al. (University of L'Aquila), Analysis of alternatives for the drafting of the new Master Plan of the Port of Livorno (Italy).
G. Kant (Port of Rotterdam), Nautical design Maasvlakte 2.
J. Kirkegaard et al. (Danish Hydraulic Institute), Metocean forecasting for ports and terminals.
B. Kuipers (Erasmus University), Transitions in the global container system.
P.P. van Loon et al. (TU Delft), Increasing spatial densities of activities in and around the port of Rotterdam.
J. Moes et al. (CSIR), Motion criteria for the efficient (un)loading of container vessels.
P. Rosa Santos et al. (University of Porto), Physical modeling of Leixoes Oil Terminal, Portugal.
P. Taneja et al. (TU Delft), Flexibility and adaptability in port planning.

Hinterland Connections
O. Jonkeren (VU University Amsterdam), Climate change effects on inland waterway transport: a literature survey.
U. Malchov (Port Feeder Barge), Innovative waterborne logistics for container ports.
M. van Schuylenburg et al. (Port of Rotterdam), Container transshipments Rotterdam, an innovative logistical concept.
A. van der Toorn et al. (TU Delft), Climate change and inland shipping.
M. van Torre et al. (Ghent University), Estuary traffic: an alternative hinterland connection for coastal ports.

Structural Solutions
J.W. Bos (Royal Haskoning), Chirurgical quay-wall renovation.
E. Broos (Port of Rotterdam), The Brammen Terminal quay-wall.
A. Fagot et al. (Arcelor-Mittal), A realistic approach toward stray current induced corrosion affecting steel sheet piling.
G. Hamoen (Witteveen & Bos), Innovative quay structures Eemshaven.
S. Harris (Scott Wilson), Quay structure design for the Port Botany Third Container Terminal expansion, Sydney, Australia.
B. Reeskamp (DHV), Expansion Panama Canal.
P. Rigo et al. (University of Liege), Innovative concepts in navigation lock design and gate contact aspects.
A. Roubos et al. (Rotterdam Public Works), Study of deformations horizontally anchored quay wall.
S.F. Sieswerda et al. (Inter Fidelis), Decision making and maintenance planning system based on risk analysis for sustainable management of port infrastructures.
H.J. Verheij (Deltares/TU Delft), Comparison of flow fields of hydrojets and propeller jets.

Terminal Design
J.F. van Beemen (Royal Haskoning), Polder container terminal.
M. Fumarola et al. (TU Delft), The virtual terminal: visualizing and structuring the future container terminal.
M. van der Wel et al. (Rotterdam Public Works), The use of a floating quay for container terminals.
J.H. Welink et al. (TU Delft), Reduction of CO2 of on-site diesel consuming equipment in the Rotterdam harbor.

Environmental Aspects
C. Luyten et al. (Rotterdam Public Works), Preliminary results of a research into CO2 load of port infrastructures port of Rotterdam.
J.M. Diez Orejas et al. (Port Authority of Valencia), Sustainability and climate change impact in port communities.
R.M. Stikkelman et al. (TU Delft), Reduction of bunker oil related emissions through cooperation between two seaports.

Valedictory Address
After the formal close of the seminar Prof. H. Ligteringen will give his farewell address in the main auditorium and a reception will be hosted by TU Delft.
Seminar proceedings
All participants will receive a book of abstracts and a CD-ROM related to the contents of the Seminar at the registration desk on 22 June.

Papers of scientific interest will be selected for a special issue of the European Journal of Transport Infrastructure Research (EJTIR), which is an open access, peer-reviewed journal.

Pre-seminar excursion
Prior to the seminar, on 21 June 2010, an excursion to Maasvlakte 2’s Futureland visitor centre will be organised. The cost for this excursion is € 20.00 excluding VAT.

The bus will depart from Delft University of Technology (TU Delft) at 13.00 and will return at the same location around 18.00. Please check the website (www.portseminar2010.tudelft.nl) for up-to-date information. Participants registering for the visit will receive detailed instructions by e-mail.

Contact details registration office:
Parthen R&S
Telephone: +31 (0)20 5727301
E-mail: registration@parthen.nl

Dinner
On 22 June there will be a dinner in the evening in the ‘Brasserij’, www.brassenu.nl. This dinner is included in the registration fee. The restaurant is at walking distance from the hotels. Parking space is available at the restaurant.

Sponsor possibilities
The Port Infrastructure Seminar 2010 offers companies and organisations the possibility to sponsor the Seminar. The sponsor package includes space for display, free registration for the Seminar and an acknowledgement in the book of abstracts and in the session rooms, among others. Please contact the Secretariat for more information.
Hotel accommodation

Three hotels are recommended. Hotel reservations should be made directly with these hotels mentioning "Port Infrastructure Seminar". We advise you book your reservation early in view of the tourist season in Delft.

Hotel Vermeer ***, Molslaan 18-22, Delft – www.hotelvermeer.nl
Hotel De Plataan***, Doelenplein 10, Delft – www.hoteldeplataan.nl
Hotel Coen***, Coenderstraat 47, Delft – www.hotelcoendelft.nl

General information Delft

The city dates from the 13th century. It received its charter in 1246. The city centre retains many old and historical buildings, and many streets have canals in the centre, inhabited by fish and plants making this beautiful small city a tourist destination.

Delft is well known for its association with the House of Orange, Johannes Vermeer and its Delft Blue pottery products. See also www.delft.nl

Delft University of Technology

Although TU Delft only received its current name in 1986, it has been providing technical education for 165 years. A fascination for science, design and engineering is the common denominator driving the 13,000 Bachelor's and Master's students and the 5000 employees of TU Delft. Delft University of Technology is not only the oldest, but also the largest technical university of the Netherlands.

Accessibility

TU Delft can be easily reached by train, bus and car. For more information, please visit our website www.portseminar2010.tudelft.nl.