

## Wednesday, May 13 2009

9h00 – 10h00 Registration

10h00 – 11h00 Session I Chair: **M. Vantorre** – Ghent University, Belgium

- ↪ *Conference opening speech* (Alderman of the Port of Antwerp and Chairman of the Port Authority)
- ↪ Keynote speech:  
*Some Experiences with Bank Effects and Ship Squat in Restricted Shallow Navigation Channels*  
**L. Daggett** – Waterway Simulation Technology, Inc., US

11h00 – 11h30 coffee break

11h30 – 13h00 Session II Chair: **L. Daggett** – Waterway Simulation Technology, Inc., US

1<sup>st</sup> technical session: Theme: **Bank Effects I**

- ↪ *Systematic Model Tests on Ship - Bank Interaction*  
**E. Lataire** – Ghent University, Belgium  
**M. Vantorre** – Ghent University, Belgium  
**K. Eloot** – Flanders Hydraulics Research, Belgium
- ↪ *Comprehensive Vessel Hydrodynamics Model for Prediction of Maneuvering Forces, Sinkage, Mooring Forces and Coastal Impacts*  
**S.W. Fenical** – Coast & Harbor Engineering, Inc., US  
**J.D. Carter** – Coast & Harbor Engineering, Inc., US
- ↪ *Comparison of bank effects on ship squat between experimental measurements and a numerical modelling system*  
**P. Debailon** – CETMEF, France  
**E. Lataire** – Ghent University, Belgium  
**M. Vantorre** – Ghent University, Belgium

13h00 – 14h00 Lunch

14h00 – 15h30

Session III Chair: **A. Gronarz** – DST – Development Centre for Ship Technology and Transport Systems, Germany

2<sup>nd</sup> technical session: Theme: **Squat in Shallow Water**

- ⌞ *Ship Squat for Researchers, Masters and Pilots*  
**C.B. Barrass** – International Maritime Consultant, UK
- ⌞ *Sensitivity Study of PIANC Ship Squat Formulas*  
**M.J. Briggs** – Coastal and Hydraulics Laboratory, US
- ⌞ *Long Waves generated by Ships Sailing in Confined Waterways*  
**P. Naaijen** – Delft University of Technology, The Netherlands

15h30 – 16h00

coffee break

16h00 – 17h30

Session IV Chair: **T. Blakeley** – RINA

3<sup>th</sup> technical session: Theme: **Bank Effects II**

- ⌞ *Investigation of the Influence of a Vertical Wall on a Ship Moving with Drift Angle*  
**A. Gronarz** - DST – Development Centre for Ship Technology and Transport Systems, Germany
- ⌞ *Simulation of Ship Manoeuvring in Laterally Restricted Water*  
**J. Duffy** - Australian Maritime College, Australia  
**M. Renilson** - Australian Maritime College, Australia  
**G. Thomas** - Australian Maritime College, Australia
- ⌞ *Research on Ship Dynamic of Large Containerships in Confined Fairways*  
**K. Uliczka** – Federal Waterways Engineering and Research Institute (BAW), Germany  
**B Kondziella** – Federal Waterways Engineering and Research Institute (BAW), Germany

## Thursday, May 14 2009

9h00 – 9h30

Registration

9h30 – 11h00

Session V Chair: **B. Pettersen** – Norwegian University of Science and Technology, Norway

4<sup>th</sup> technical session: Theme: **Capita Selecta of Shallow Water**

⌞ *Manoeuvring Behaviour of an LNG Vessel in a Restricted Waterway*

**A. Maimun** – Universiti Teknologi Malaysia, Malaysia

**A. Priyanto** – Universiti Teknologi Malaysia, Malaysia

**Rahimudin** – Universiti Teknologi Malaysia, Malaysia

**A. Baidowi** – Universiti Teknologi Malaysia, Malaysia

**Nurcholis** – Universiti Teknologi Malaysia, Malaysia

⌞ *Roll Motion of Containership in Shallow Water*

**E. Milanov** – Bulgarian Ship Hydrodynamics Centre (BSHC), Bulgaria

**V. Chotukova** – Bulgarian Ship Hydrodynamics Centre (BSHC), Bulgaria

⌞ *Study on the algorithm of collision avoidance for large container vessel in shallow confine waterway*

**N. Son** – Maritime and Ocean Engineering Research Institute (MOERI)/KORDI, Korea

**Y. Furukawa** – Kyushu University, Japan

11h00 – 11h30

coffee break

11h30 – 13h00

Session VI Chair: **K. Uliczka** – Federal Waterways Engineering and Research Institute (BAW), Germany

5<sup>th</sup> technical session: Theme: **Bank Effects III**

- ⌞ *Numerical Simulation of the Viscous Flow around a Ship Undergoing Unsteady Berthing in Shallow Water*

**H.M. Wang** – School of Naval Architecture, Ocean and Civil Engineering, Shanghai Jiao Tong University, China

**Z.J. Zou** – School of Naval Architecture, Ocean and Civil Engineering, State Key Laboratory of Ocean Engineering, Shanghai Jiao Tong University, China

**Xi-Min Tian** – Marine Design & Research Institute of China, China

- ⌞ *Evaluation of Ship-Bank and Ship-Ship Interaction Forces using 3D Panel Method*

**H. Yasukawa** – Hiroshima University, Japan

**S. Kawamura** – Hiroshima University, Japan

**S. Tanaka** – Hiroshima University, Japan

**M. Sano** – Hiroshima University, Japan

- ⌞ *Presentation of STS research and invitation for next conference*

**B. Pettersen** – Norwegian University of Science and Technology, Norway

13h00 – 14h30

Lunch and Transportation to Flanders Hydraulics Research

14h30 – 14h40

Opening word by **F. Mostaert** – Director of Flanders Hydraulics Research

14h40 – 15h10

*Knowledge Centre Manoeuvring in Shallow and Confined Water (K. Eloot – Coordinator of Nautical Research at Flanders Hydraulics Research)*

15h10 – 17h10

Visit to Facilities

19h00

Conference dinner

## Friday, May 15 2009

- 10h00 – 10h30 Registration
- 10h30 – 12h00 Session VII Chair: **K. Eloot** – Flanders Hydraulics Research, Belgium  
Workshop – Group Discussion on Shallow Water Effects
- ⤵ Manoeuvring in Shallow and Confined Water and the Role of the International Towing Tank Conference
  - ⤵ Manoeuvring in Shallow and Confined Water and PIANC Workgroup 49 activities
  - ⤵ The Acceptance of Simulator Studies for Supporting Decisions in Accessibility Problems
  - ⤵ Manoeuvring in Shallow and Confined Water: Expectations of the Pilots
- 12h00 – 12h15 Conference closing
- 12h15 – 13h30 Lunch
- 13h30 – 18h00 Technical tour: Visit Port of Antwerp