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

11h00 – 11h30  coffee break

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

1st 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. Debaillon – CETMEF, France
   E. Lataire – Ghent University, Belgium
   M. Vantorre – Ghent University, Belgium

13h00 – 14h00  Lunch
Session III  
Chair: A. Gronarz – DST – Development Centre for Ship Technology and Transport Systems, Germany

2nd 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

Session IV  
Chair: T. Blakeley – RINA

3th 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

4th 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 confined 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

5th 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