

1st EUROPEAN INLAND WATERWAY NAVIGATION CONFERENCE

Balatonfüred, 9–11. June 1999. , Hotel UNI

Programme

First Day 9 June, 1999

8⁰⁰ – 12⁰⁰ Registration of participants: **Hotel UNI, Balatonfüred**

9⁰⁵ – 9⁴⁰

Plenary Session

Hotel UNI Conference Room

Chairman: Dr. József Rohács (Hungary)

Conference Opening by the General Director of Danube Commission,
Greeting by Environmental Protection Minister of Hungary,
Transport, Water and Communication Management Minister of Hungary

9⁴⁰–10⁰⁵

Prof. Dr. mult. E. LEHMANN /Dipl.-Ing. T. DOSDAHL

(Germanischer Lloyd Head Office, Hamburg, Germany)

Transport of dangerous goods by inland waterway vessels

10⁰⁵–10³⁰

Mr. T.K. van der Heuvel HACKSTEINER

(General Secretary IVR, Rotterdam, The Netherlands)

Importance of quality management for the transportation of dangerous goods in inland navigation

10³⁰–10⁴⁵

Coffeebreak

10⁴⁵–11¹⁰

Prof. ir. S. HENGST

(Delft University of Technology, Faculty of Marine Technology, The Netherlands)

Design development of environmental friendly ships

11¹⁰–11³⁵

Prof. Dr. Robert LATORRE

(University of New Orleans, USA)

Design of river barges to transporting hazardous cargoes

11³⁵–12⁰⁰

Prof. Dr. Dr. Bernd H. KORTSCHAK

(Fach Hochschule Erfurt, Germany)

Can Jowi's replace the betuwe-line

12⁰⁰–

Lunch

Shipping-Shipbuilding Session

Hotel UNI Conference Room

Chairman: Prof. Dr. Dipl.-Ing. Dr. h.c. Constantin M. GALLIN (Germany)

13⁴⁰–14⁰⁰

M. BUKOROV/PhD. Z. BUKOROV/M. LEKIC/D. STOJKOVIC:

(University of Novi Sad, Yugoslavia)

Transportation by river in function of eco protection an more efficient usage of waterways

- 14⁰⁰–14²⁰ **Dr. K. YOSSFIOV*/D.KISHEVA*/Capt.L. MITEV**:**
(Bulgarian Ship Hydrodynamics Centre, Varna*/Bulgarian River Shipping Co.,
Rousse**, Bulgaria)
Computer module for voyage duration prediction at inland navigation
- 14²⁰–14⁴⁰ **Branislav BILEN/M. MARINKOVIC/Zoran LAJIC:**
(Institute of Technical Sciences SANU, Belgrade, Yugoslavia)
**Calculation of maneuvering performances for pushed convoys with different
steering devices**
- 14⁴⁰–15⁰⁰ **F. D'ESTE/A. FRANCESCUTTO:**
(DINMA-University of Trieste, Italy)
Experimental study of the dynamic stability of a small fishing vessel
- 15⁰⁰–15²⁰ *Coffebreak*
15²⁰–15⁴⁰ **M. LEKIC/Z. BUKOROV/M. BUKOROV/D. STOJKOVIC:**
(University of Novi Sad, Yugoslavia)
**The ship construction vibrations analyses during propelling using finite
elements method**
- 15⁴⁰–16⁰⁰ **Dr. F. OLÁH/G. HORVATH/D. OROSZ:**
(Széchenyi István Collage, Győr, / MAHART Hungarian Shipping Co.
Hungary)
Determining the energy utilization of sea and river ships
- 16⁰⁰–16²⁰ **Dr. Kálmán VINCZE:**
(Slovak University of Technology, Bratislava, Slovakia)
**The profitability calculations of the navigation and its impact on the
environment**
- Economical, Legal, Transportation and Environmental Protection Session**
Hotel Füred Conference Room
Chairman: Pekka KOSKINEN (Finland)
- 13⁴⁰–14⁰⁰ **Dr. M.GERIGK/Prof. H.LINDE/Prof.PhD. K.ROSOCHOWICZ**
(Technical University of Gdansk/Technical University of Berlin, Germany)
ODRA bug inland waterway navigation system. concept and reality
- 14⁰⁰–14²⁰ **Prof. Dr. M. LIPICNIK:**
(University of Maribor, Slovenia)
Conecting the danube river with the adriatic sea
- 14²⁰–14⁴⁰ **Ph.D. P. OBLOZINSKY:**
(Slovak University of Technology, Bratislava, Slovakia)
Váh navigability
- 14⁴⁰–15⁰⁰ *Coffebreak*
- 15⁰⁰–15²⁰ **G. HORVÁTH**
(Széchenyi István Collage, Győr, Hungary)
Riverbed recording with the krupp-atlas computerized surveying system

15²⁰–15⁴⁰ **András MAGYARICS:**
(National Water Authority of Hungary)
The pollution of the waterway owing to the shipping in Hungary

15⁴⁰–16⁰⁰ **R. SAVENIJE :**
(Ministry of Transport, Public Works and Watermanagement ,Transport
Research Centre,
The Netherlands)
**Analising and solving negative impacts due to the increasing use of
waterways**

Second day, 10 June, 1999

Plenary Session

Hotel UNI Conference Room

Chairman: Mr. T.K. van der Heuvel HACKSTEINER (The Netherlands)

9⁰⁰–9²⁵ **Dr. Ernő PÁL:**
(Institute of Transport Sciences, Hungary)
**The possibilities for the development of the hungarian inland navigation
and port management**

9²⁵–9⁵⁰ **Wim. F.M. van der HEIJDEN:**
(TNO Physics and Electronics Laboratory, Navigation and Identification,
Rotterdam, The Netherlands)
RINAC, the future bridge to operate with RIS

9⁵⁰–10¹⁵ **John R. van WILLIGENBURG:**
(Maritime System Technology BV., The Netherlands)
Communications infrastructure on inland waterways in Europe

10¹⁵–10³⁵ *Coffeebreak*
10³⁵–11⁰⁰ **R.A. VISSER**
(Ministry of Transport, Public Works and Watermanagement ,Transport
Research Centre, The Netherlands)
Spatial analysis of waterways

11⁰⁰–11²⁵ **D. HADHÁZI/Dr. L. UGRÓCZKY/Gy. JAKUS/L. FREUND:**
(Technical University of Budapest/EDUVIZIG, Hungary)
Computer aided river-bed indicator system on board of inland water ships

11²⁵–11⁵⁰ **Ir. C. DIRKSE/ H. HUIJSMAN:**
(Delft University of Technology ,Dept. of Marine Technology /H. Huijsman
Consultancy BV, Rotterdam, The Netherlands)
**A concept for horizontal loading/ unloading of containers and other
homogeneous unitized cargoes**

12⁰⁰ – *Lunch*

Shipping-Shipbuilding Session

Hotel UNI Conference Room

Chairman: HADHÁZI Dániel (Hungary)

- 13⁴⁰–14⁰⁰ **M. CUVALO/I. DONKOV/D. MACEK:**
(Ministry of Economic Affairs Croatia, Center of Technology Transfer/
Croatian Shipbuilding Company, Croatia)
**Development support program for small and medium enterprises
supplying the croatian shipbuilding sector - experience for inland
shipbuilding industry**
- 14⁰⁰–14²⁰ **Dr. Vladeta COLIC/Dr.Z. RADMILOVIC/Dr.K. VUKADINOVIC/Dr.R.
ZOBENICA:** (University of Belgrade, Yugoslavia)
**Defining the influence of limited depth and width of a navigable route to
the resistance increase of modern danubian ships**
- 14²⁰–14⁴⁰ **Dr. Yide SHEN/J. MARCHAL**
(University of Liege, Belgium)
On the economic ship speed in restricted waterway
- 14⁴⁰–15⁰⁰ **Ph.D. V. SKILJAICA/T. BACKALIC**
(University of Belgrade, Yugoslavia)
**The influnce of shape and dimensions of barges and pushed composition on
transport efficiency**
- 15⁰⁰–15²⁰ *Coffebreak*
- 15²⁰–15⁴⁰ **Z. NIKOLIC/B. BILEN:**
(Institute of Technical Sciences of SANU, Belgrade, Yugoslavia)
Development of the electric vessels with double drive
- 15⁴⁰–16⁰⁰ **Z. NIKOLIC/B. BILEN:**
(Institute of Technical Sciences of SANU, Belgrade, Yugoslavia)
Impressed current protection in fresh water
- 16⁰⁰–16²⁰ **Ph.D. Z. BUKOROV/M. LEKIC/M. BUKOROV/D. STOJKOVIC:**
(University of Novi Sad, Yugoslavia)
A new concept of pushed barges composition
- 16²⁰–16⁴⁰ **Zhou JINYU**
(Institution of Ships & Boats' Technology of Fujian, China)
**A brief account of the research in propeller's position of ships &
Boats**

Economical, Legal, Transportation and Environmental Protection Session

Hotel Füred Conference Room

Chairman: Dr. Ernő PÁL (Hungary)

- 13⁴⁰–14⁰⁰ **C.P.M. WILLEMS/Ir. L. KUITERS:**
(Ministry of Transport, Transport Research Centre, Rotterdam, The
Netherlands)
INDRIS – inland demonstrator for river information services
- 14⁰⁰–14²⁰ **Pekka KOSKINEN:**
(Oy EDI Management Ltd., Finland)
Port community telematics features and reccomodation

- 14²⁰–14⁴⁰ **Dr. K. TÁNCZOS / J. KISS**
(Technical University of Budapest, Hungary)
Telecommunication links between ports and their partners
- 14⁴⁰–15⁰⁰ *Coffebreak*
- 15⁰⁰–15²⁰ **Prof. Dr. Z. RADMILOVIC/Prof. Dr. V. COLIC/Z. HRLE/J. MUSKATIROVIC:** (University of Belgrade, Yugoslavia)
River fleet and transport technology in danubian navigable system
- 15²⁰–15⁴⁰ **Marion RASICA**
(Principal Ship Surveyor for The Netherlands Lloyd's Register, Rotterdam)
Influence of rhine regulations on the design and construction of inland waterways
- 15⁴⁰–16⁰⁰ **Dr. Ödön VASS:**
(Transport, Water and Communication Management Ministry of Hungary)
Legal harmonization between republic of hungary and European Union relating to the inland waterway navigation
- 16⁰⁰–16²⁰ **Dr. E. SAMBRACOS:**
(University of Piraeus, Department of Maritime Studies, Greece)
The role of greece in the inland transport of the central and east Europe

Third Day 11 June, 1999

Plenary Session

Hotel UNI Conference Room

Chairman: ir. S. HENGST (The Netherlands)

- 9⁰⁰–9²⁰ **Prof. Dr. R. ZIMMERMANN/Th. GERN/E.D.GILLES:**
(University of Stuttgart, Germany)
Advenced river navigation with inland ECDIS
- 9²⁰–9⁴⁰ **Dr. R. PFLIEGL:**
(Alcatel Austria, Vienna)
A system for dynamic navigation aid, traffic and transport information on the Danube
- 9⁴⁰–10⁰⁰ **Dr. ZELLEI Gábor:**
(National Headquarters of the Civil Defence, Hungary)
Transport of dangerous goods
- 10⁰⁰–10²⁰ *Coffeebreak*
- 10²⁰–10⁴⁰ **A.HÜSIG/T. LINKE/C. ZIMMERMANN:**
(University of Hannover Franzius-Institute, Germany)
Hydraulic and environmental impacts of high speed cargo ships on inland canals
- 10⁴⁰–11⁰⁰ **Count Géza SZÉCHENYI:**
(Count Ödön Széchenyi Hungarian Boating and Yachting Union, Hungary)
The futch of the yacht tourism

11⁰⁰–11²⁰ **Otto PÁL**
(Hungarian Shipping Co.)
The advantages of a lightcarrier system

11²⁰–12⁰⁰ **Closing the Conference**
Hotel Füred Conference Room