

ABOUT THE CONFERENCE

Cost savings is one of the criteria for successful structural engineering and transport application. The use of strong but light-weight members helps to achieve this in that the overall stress levels in a construction are reduced together with handling, manipulation and pay-load cost. These factors are important in such applications as ships, high speed vessels and offshore structures. This conference aims to gather designers, manufactures, marine scientists, regulatory authorities and researchers to discuss technological advancement and implementations that will lead to increased use of light weight design for marine structures

WHO SHOULD ATTEND?

- Project Managers
- Designers, Shipbuilders & manufactures
- Specialists strength, materials , safety, risk & reliability
- Classification societies
- Structural Consultancies
- Ship owners and operators
- Educationalists, academics & PG students

VENUE & DATE

The conference will be held at:

Dept. of Naval Architecture & Marine Engineering, Universities of Glasgow & Strathclyde, Henry Dyer Building, 100 Montrose Street, Glasgow G4 0LZ
During 7-8 September 2009

PROGRAMME DAY 1

Monday 7 September 2009

0815 Registration
0900 Opening and Welcome
0915 Keynote 1 – Frank Ronald

SESSION 1

0945 Aluminium alloy as hull material of a cargo barge for inland navigation

Dario Boote, Donatella Mascia

1015 Aluminium extrusion FSW joined panels for ship structures
Peter Benson, Chris Moyle, Göran Olsson

1045 Analysis of Stiffened Composite Plate Combined Loading
N. Yang, P.K. Das, XL Yao

1115 Break

SESSION 2

1145 Effect of debonds and face sheet damage in GRP sandwich panels in naval ships
B.Hayman, C.Berggreen, A.T.Echtermeyer

1215 Advanced Hybrid Joining Technology
Yakov Khodorkovsky, Vladimir M Shkolnikov, Sarah Mouring

1245 Durability of adhesive joints in wet conditions
Safa Hashim, Jawad Nisar, Adam Smith

1315 Lunch

SESSION 3

1400 River passenger ship made of composite materials
Stefan Giuglea, Ovidiu Ionas, Dan Radulescu, Lonel Chirica

1430 Use of Composites in Ships
Håkansson Måns, Edvardsson Johan

1500 Effects of Geometric Imperfections on the strength of Composite Panels in Ship Hulls
K.Misirlis, J.Downes, R.S.Dow

1530 Break

SESSION 4

1600 Numerical and experimental analysis on the buckling behaviour of delaminated plates
Ionel Chirica, Elena-Felicia Beznea

1630 Numerical procedure based on a new FEM model used for Torsion analysis of ship hull made of composite materials
Raluca Chirica, Sorin-Dumitru

1700 Isover ULTIMATE- new generation of mineral wool
Mark Westermayer

1830 CONFERENCE DINNER, Corinthian

PROGRAMME DAY 2

Tuesday 8 September 2009

SESSION 5

0900 Keynote 2 – Dag McGeorge

0930 Optimized damping to reduce noise on High Speed-Lightweight Craft
Raymond Fischer, Leo Boroditsky, Jesse Spence

1000 Life Cycle perspective for light weight ship structures in terms of cost and environmental effects
Anna Hedlund-Åström

1030 The application of Reliability Methods in the Design of Stiffened Composite Panels under In-Plane Loading
N.Yang, P.K.Das, XL.Yao

1100 Break

SESSION 6

1130 Stochastic methods used in design optimisation of composite boat hull topologies
Adam Sobey, James Blake and Ajit Sheno

1200 Design of a lightweight structure for the accommodation deck of a cargo vessel
Erwan Juin

1230 Lightweight composites structures in large conventional ships – Recent development
Philippe Noury

1300 Lunch

SESSION 7

1400 Assessment of the fire performance of marine composite structures
Joëlle Gutierrez

1430 Full scale fire experiments in a lightweight composite Ro-Pax cabin
Tommy Hertzberg

1500 Break

SESSION 8

1530 Discussions

1630 End

REGISTRATION FORM

Title:Surname:

Personal Names:

Organisation

Address

.....

Country:Postcode:

TelephoneFax:

Email

- I wish to register for the conference with a cheque payment
- Please invoice me at the above address

Please state any special dietary requirements: ...

.....

SignatureDate

Registration Information

- £350 Full Delegate Rate

Fees include conference papers, CD, lunches, refreshments and the Conference Dinner. The completed form, and if applicable a cheque in pounds sterling be made payable to "ASRANET Ltd", should be sent to the registration address below. Payment must reach us before, and no later than **8 August 2009**.

Cancellation

Please note that no refund will be given after 15 August 2009

Registration Address

Miss Nicola Pollock
141 St. James Road, Glasgow G4 0LT
Scotland, UK
www.asranet.com
asranet@live.co.uk

T +44 (0)141-548-5709/+44 (0)141-303-8217

F +44 (0)141-552-3886

TRAVEL & ACCOMODATION

Glasgow has two airports, Glasgow International Airport and Glasgow Prestwick International Airport and two main train stations, Glasgow Central and Glasgow Queen Street Station. It also has a subway system which is a convenient way of travelling around the city.

Delegates should make their own arrangements for accommodation

TRAVEL

By Car: From the North- via A82 and M8
Exit junct.15 (Cathedral)
From the South-via M74 and M8
Exit junct.15 (Cathedral)
From the East-via M8, Exit junct.15 (Cathedral)
From the West-via M8, Exit junct.15 (Cathedral)

From junct.15 follow road round to the right (past Strathclyde University Bookshop-Stirling Road), leading onto cathedral Street. Take 1st left onto Montrose Street.

By Rail: The closest station to Corinthian is Queen Street Station; you would then continue on George Street, past George Square, until reaching Montrose Street (2nd set of traffic lights).

FURTHER INFORMATION

The tourist information centre can provide further information on travel and accommodation

Tel: +44 (0) 141 204 4400

Email: enquiries@seeglasgow.com

Website: <http://www.seeglasgow.com>



1st International Conference on

Light Weight Marine Structures

7-8 SEPTEMBER 2009

DEPT. OF NAVAL ARCHITECTURE & MARINE
ENGINEERING, UNIVERSITIES OF GLASGOW &
STRATHCLYDE, HENRY DYER BUILDING, 100
MONTROSE STREET, GLASGOW, SCOTLAND, UK

Organised by,

ASRANET

(A spin out company of the Universities of Glasgow &
Strathclyde)

&

SP Technical Research Institute, Sweden

