



**MariFuture: European Platform for Maritime Education, Research, and Innovation**

**Foreword**

We are going through exciting times. The commercialisation of projects MarTEL, SURPASS and MAIDER have commenced with support from Pearson (BTEC/EDEXCEL) Plymouth University and TRANSAS. MarTEL has been in principle accepted by Plymouth University. In a recent report it was stated that there has been considerable progress made in the past few months towards finalising a new articulation agreement with Piri Reis University (to replace our previous agreement with TUDEV which will be continue until mid-November 2014) and Plymouth University have added a new route into their Mechanical Engineering Degrees to complement the longstanding route into their BSc (Hons) Navigation and Maritime Science. Plymouth University has written to us saying that they would be very keen to finalise and sign this agreement when they visit the Piri Reis University.

There is one final aspect which requires confirmation regarding the MarTEL qualification. Plymouth University has written to remind us that the UKVI (previously the UK Border Agency) have set very stiff requirements as regards the English ability of all international students. The recent email summarised that if Plymouth are going to include MarTEL as part of the articulation agreement then there are a few outstanding matters where they have requested further information from the MarTEL Partnership.

It is interesting to note that Plymouth University was also a partner in the SURPASS project and has a stake in its commercialisation. A visit has also been made to Southampton Solent University for discussions about establishing similar arrangements to those in place at Plymouth University.

Some 50 students from MarEdu have been registered on Pearson (BTEC HND programmes) and a further 100 students are expected to be registered in the next few months. Transfers to Plymouth University's programmes has been agreed and discussion with Southampton has been positive.

Good progress is being made with all EU funded projects, a summary is provided on each project below.

Professor Reza Ziarati

Founder - MariFuture Platform

Chairman - Centre for Factories of the Future (C4FF)

Vice Rector - Piri Reis University (PRU)



**Contents**

Introduction..... 2

    SeaTALK (Creation of a Qualification Framework for Effective Communication at Sea)..... 2

    SOS (Stress On Sea)..... 2

    ACTs (Avoiding Collisions At Sea)..... 3

    MarTEL (Maritime Tests of English Language)..... 3

    EBDIG-WFSV..... 4

**Introduction**

The following report details the progress being made by the MariFuture partners in August and the planned activities for September 2014 concerning the EBDIG-WFSW, SeaTALK, SOS, ACTs and MarTEL projects.

**SeaTALK (Creation of a Qualification Framework for Effective Communication at Sea)**

Partners are working hard on the Training modules and learning materials for the different ranks and positions of seafarer and their presentation on the SeaTALK platform.

During meetings, the partners agreed the format for the presentation of the learning materials, as well as an approach for gathering Maritime English learning materials. This has included contacting their networks to begin this process.

The project coordinator wrote an interesting article about the need for International standards in English proficiency in the Maritime Industry and focusing the article on the need for SeaTALK, which was published this month in the Institute of Chartered Shipbrokers' Shipping Network publication. If you would like to learn more about how you can contribute to this new learning materials database then please contact the SeaTALK team: materials@seatalk.pro

More information on the progress of the SeaTALK project will be available in the October 2014 Progress Report.

**SOS (Stress On Sea)**

The second Project Partner Meeting took place in Italy in June. The project is progressing well. The process of making TUDEV, the foundation which established Piri Reis University, a partner in the project has started. To this end arrangements are being made to allocate some resources to TUDEV in the near future. The latest information about the project can be found in the GESAD's article published on Marifuture in June 2014 - see <http://marifuture.org/Publications/Articles/sos.pdf>

More information on the progress of the SOS project will be available in the October 2014 Progress Report.



### **ACTs (Avoiding Collisions At Sea)**

Partners are working hard on the production of e-learning training modules of COLREGs. As part of this process, a workshop was held at Plymouth University to test and to finalise how the COLREGS course will be developed, and how data will be processed.

As part of the course partners have decided to create scenarios based on their databases of collision and near miss reports. These scenarios are currently being refined considering & evaluating the strength(s) & limitation(s) of each learning method. e.g. adaptation of M'aider (2009-11), e-learning and e-assessment process for the production of training modules which will support self-learning with additional classroom activities for blended learning.

The scenario template for Rule 15 in animated form has already been drafted and its credibility and application were tested by professional seafarers of all ranks including lecturers and maritime lawyers as part of the workshop at Plymouth University.

It has been decided that the same training course approach will be used for all seafarers, except Ratings. A special disposition and training approach will be applied for the Ratings and will focus on : Rule 5 – Lookout, Rule 7 – Risk of Collision, Rule 21 – Definitions, Rule 22 – Visibility of Lights, Rule 32 – Definitions, Rule 36 - Signals to attract attention.

The partners also supported and produced the actual COLREGS in their own languages.

More information on the progress of the ACTS project will be available in the October 2014 Progress Report.

### **MarTEL (Maritime Tests of English Language)**

The MarTEL Team has been in contact with RELTA (aviation English specialists) to discuss possible cooperation in delivering and improving MarTEL Tests and Training courses around the world. Further meetings are expected to occur in late September and more information will be included in the October Progress Report.

Representatives of MarTEL have also been in contact with UK Maritime Universities establishing an agreement and parameters for MarTEL Certificates to be accepted as proof of English competence equivalent to the current required IELTS scores. Discussions are ongoing and more information will be available in the October Progress Report.

The MarTEL partnership welcomes contact from all interested parties, including seafarers of all types and ranks, maritime industry experts, professionals and organisations, and those institutions or companies who have an interest in becoming an Approved MarTEL Centre.

For more information, please visit the MarTEL website: [www.martel.pro](http://www.martel.pro)



## **EBDIG-WFSV**

The First Year EBDIG conference will take place in Coventry University on 3-4<sup>th</sup> September 2014. A paper has been prepared by MariFuture (see the last session in the conference programme below) and will be presented at the conference. The conference is organised and supported by The Royal Institution of Naval Architects (RINA) and the proceedings are expected to be published in the RINA's *Marine Design Journal*.

The conference programme is as follows:

### **Wednesday 3rd September**

- **08.30-09.00**  
Coffee & Registration
- **09:00-09:05**  
Welcome Address- Trevor Blakeley, The Royal Institution of Naval Architects  
Fai Cheng- Lloyds Register, UK
- **09:05-09:40 Keynote Speech**  
H2020 - THE OPPORTUNITIES FOR INNOVATION IN THE EUROPEAN MARINE  
INDUSTRY,  
Ronald Vopel, Research Programme Officer, BELGIUM
- **09:40-10:15**  
EUROPEAN BOAT DESIGN INNOVATION GROUP: THE MARINE DESIGN MANIFESTO,  
Sean McCartan, B Verheijden, Coventry University, UK. M Lundh, M Lutzhoft,  
Chalmers University, SWEDEN. D Boote, Genoa University, ITALY. J.J. Hopman,  
F.E.H.M. Smulders, Technical University of Delft, NETHERLANDS, K Norby, Oslo  
School for Architecture and Design, NORWAY
- **10:15-10:50**  
HUMAN SYSTEM INTEGRATION WITHIN A MULTIDISCIPLINARY SHIP DESIGN TEAM:  
AN INSIDE VIEW,  
Chris Greenbank, BMT Reliability Consultants Ltd, UK. Dale Richards, Coventry  
University, UK
- **10:50-11:20**  
ENABLING A SERVICE DESIGN PERSPECTIVE FOR SHIP DESIGN,  
Etienne Gernez, Kjetil Norby, Birger Sevaldson, Oslo School for Architecture and  
Design, NORWAY
- **11:20-11:50 Coffee**
- **11:50-12:25**  
THE POTENTIAL OF SURFACE PATTERN DESIGN IN THE AESTHETIC DEVELOPMENT OF  
SUPERYACHT HULLS,  
Tom Nelson, Bob Verheijden and A Barrett, Coventry University, UK Sean McCartan-  
Coventry University, UK
- **12:25-13:00**  
SMALL PASSENGER CRAFT AND WATER TAXIS: AESTHETIC AND FUNCTIONAL  
ASPECTS OF DESIGN,  
A.Nazarov, A.Jabtanom, N.Charatsidis, Albatross Marine Design, THAILAND
- **13:00-14:00 Lunch**
- **14:00-14:35**



AN INDUSTRIAL DESIGN APPROACH IN THE DEVELOPMENT OF A HARBOUR TUG  
CONSOLE,

Bart Smit, Damen, NETHERLANDS

- **14:35-15:10**

CREATING A NEW DISTINCTIVE IDENTITY FOR A RANGE OF OFFSHORE VESSELS USING  
AN INDUSTRIAL DESIGN APPROACH,

Marnix de Monchy, Damen, NETHERLANDS

- **15:10-15:45**

DESIGN DEVELOPMENT AND CONSTRUCTION OF 65' CATAMARAN YACHT,

A.Jabtanom, T.Phormtan, A.Nazarov, Albatross Marine Design, THAILAND

- **15:45-16:15 Coffee**

- **16:15-16:50**

SHIP BLOCK DIVISION PLANNING CONSIDERING UNCERTAINTIES AT EARLY DESIGN  
STAGES,

Ajay Asok Kumar, Nippon Kaiji Kyokai – ClassNK, JAPAN, Kazuhiro Aoyama, University  
of Tokyo, JAPAN

- **16:50-17:25**

VESSEL FIT OUT COST REDUCTION USING DIGITAL TECHNOLOGY AND MODULARITY,  
Jules Morgan, KPM-Marine, UK

- **17:25-**

General Discussion & Evening Drinks Reception

#### Thursday 4th September

- **08.30-09.00 Registration**

- **09:05-09:40**

INDIVIDUALISTIC DESIGN,

*Christopher Bottoms, De Voogt / Feadship, NETHERLANDS, Hans Hopman- TU Delft,  
Netherlands*

- **09:40-10:15**

DEVELOPMENT OF INTERIOR DESIGN STRATEGIES AS AN INTEGRAL PART OF A  
MARINE PASSIVE DESIGN METHODOLOGY FOR PASSENGER VESSELS OPERATING  
WITHIN THE MEDITERRANEAN,

*Sean McCartan and C Kvilums, EBDIG-IRC, Coventry University, UK*

- **10:15-10:50**

DEVELOPMENT OF A PARAMETRIC MODEL FOR ANALYSING TEMPERATURE EFFECTS  
OF SOLAR RADIATION ON YACHTS,

*Vivek Kumar, University of Genoa, Italy, Guido Penco, Baglietto Shipyards, Italy, Dario  
Boote, University of Genoa, Italy, Tatiana Pais, University of Genoa, Italy*

- **10:50-11:25 Coffee**

- **11:25-12:00**

DESIGN-DRIVEN INNOVATION: NEXT GENERATION HIGH SPEED TRANSATLANTIC  
SUPERLINER,

*Sean McCartan, B Verheijden, P Crotty, Coventry University, UK, J Roy, BMT Nigel  
Gee, UK*

- **12:00-12:35**

CRASH COMPATIBILITY IN THE DESIGN OF A TRIMARAN HIGH SPEED CRUISE  
LOGISTICS FERRY (CLF),



## Progress Report

*C Bastien, S McCartan, Coventry University, UK, D Boote, T Colaianni, T Pais, DITEN, University of Genoa, ITALY*

- **12:35-13:25 Lunch**
- **13:25-14:00**  
COASTAL PATROL INTERCEPTOR FOR WEST AFRICA,  
*S Richardson, I Chapos, S McCartan, Coventry University, UK, T Dobbins, ST Research, UK, J Hill, Trident Marine Ltd, UK, L Campbell, Lorne Campbell Design, UK, Dario Boote- University of Genoa, Italy*
- **14:00-14:35**  
DEVELOPMENT OF A UNIVERSAL DESIGN 30FT SAILING BOAT RACING CLASS FOR THE PHYSICALLY CHALLENGED,  
*J Ruddiman, L Moody, S McCartan, EBDIG-IRC, Coventry University, UK*
- **14:35-15:10**  
ROUGH LUXE HOUSEBOAT COMMUNITY PROPOSAL FOR THE ROYAL DOCKS IN LONDON,  
*N Cho, B Verheijden and T Nelson, EBDIG-IRC, Coventry University, UK*
- **15:10-15:20 Coffee & General Discussion**
- **15:20-15:55**  
DEVELOPMENT OF AN ONLINE LEARNING PLATFORM AND CPD MATERIAL FOR NAVAL ARCHITECTS AND PROJECT MANAGERS WORKING IN OFFSHORE WIND AND OIL AND GAS SECTORS,  
*E Mangina, University College Dublin, IRL, A Ghassan and T Thompson, EBDIG-IRC, Coventry University, UK*
- **15:55-16:30**  
IMPLEMENTATION OF ECVET INTO EBDIG-WFSV COURSES, *Sezai Isik and R Ziarati, Piri Reis University, Turkey*
- **16:30-17:00**  
MARINE DESIGN LEXICON PRESENTATION & DISCUSSION
- **17:00-**  
30th Anniversary of Boat Design at Coventry University: Exhibition and Wine Reception

### Conference Ends

More information on the progress of the EBDIG project will be available in the October 2014 Progress Report.

**Report by Dr Martin Ziarati – C4FF**

**Reviewed by Faye Mundy – C4FF**

**Edited by Professor Dr Reza Ziarati – MarEdu (C4Ff-PRU)**