International Conference
Education & Professional Development of Engineers in the Maritime Industry
20-21 September 2016,
Holiday Inn, Singapore
Sponsored by:

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Jean-Baptiste R. G. SOUPPEZ, Lecturer
steam-bending, while the latter were introduced to practical advanced composite
with a range of traditional boat building techniques, from the use of hand tools to
between yacht designers and traditional boat builders. The former were involved
exchange of a now established partnership between Southampton Solent University
This paper will present a new approach to education in the marine industry: an
the relationships between academia and industry, as well as an increasing number
become a priority in higher education. Recent years have seen a strengthening of
With the increasing cost of education, employability and student experience has
13.20-13.55 AN INTERDISCIPLINARY APPROACH TO EDUCATION: CASE
12.20-13.20 INTERNATIONAL COLLABORATIVE WORK TO IMPROVE
higher education, ship classification, shipping company, painting company.
from Indonesia, the University of Southampton from United Kingdom, University of
An international research collaboration, funded by Newton Fund 2015-2017 research
F A Prasetyo,  Indonesian Bureau of Classification (BKI), Indonesia, M Yusuf,
Australia, F A Prasetyo,  Indonesian Bureau of Classification (BKI), Indonesia, M Yusuf,
11.10-11.45 THE “STICON” START-UP CONCEPT - THE MARITIME ANSWER
This paper describes some of the key features of the engineering pathway
program offered at the Australian Maritime University, in particular the two year
Associate Degree in Engineering (Maritime) in addressing the perceived shortages in
Para-professional in the maritime sector.
10.40-11.10 COFFEE
11.10-11.45 TO INNOVATION & MAKE IN INDIA BY CUSAT, K Sivaprasad, Associate Professor, Dept.
the plethora of options and opportunities to be explored there is no doubt that the
Indian production, services, and technical sector will bloom and boom. The cycle of
this big boom is still in the grassroots, which can be burgeoned by the induction of
schemes such as “Make in India”, “Start-up India” and “India innovative”, as they can also redefine the knowledge and skills of youth in creating jobs and entrepreneurs,
besides opening up new business opportunities for these young people. This is clearly evident in the marine sector, which is yet to be redefined. STICON (Ship Technology Industrial
CONSultancy), a start-up venture by the students of Department of Ship Technology,
CUSAT, has been designed to develop both technically and financially. Blessed with a strong population base of which youth constitute the major chunk, and
11.45-12.20 INTERNATIONAL COLLABORATIVE WORK TO IMPROVE
in Engineering in order to fulfil the industry need for maritime engineering associates.
ENGINEERING,
10.05-10.40 PARA-PROFESSIONAL ENGINEERING PATHWAYS FOR MARITIME
10-11.45 COFFEE
11.10-11.45 THE “STICON” START-UP CONCEPT - THE MARITIME ANSWER
in the International Convention on Standard of Training, Certification and Watchkeeping
the International Convention on Standard of Training, Certification and Watchkeeping
presented a MOOC model specifically designed to conform with the requirements of
become a learning management system (LMS) or e-learning platform, should be seen
it currently stands. However, the long term benefits of a properly structured MOOC,
requires much more effort than simply repurposing existing content from residential
classroom based attendance for education and training can be an issue. Financial,
full-time residential university sector is not keeping up with demand. For many
4.00-5.00 SESSION 4: ASSESSMENT AND THE FUTURE OF MARITIME EDUCATION IN
13.55-14.30 MARITIME DEGREES AND PROFESSIONAL DEVELOPMENT
MANAGEMENT STRATEGIES AND OUTCOMES
also the development in the team works, foreign language (French, Japanese, English) culture knowledge. In this presentation, the positive results and parts that should be improved and growth will be presented.

12.20-13.20 LUNCH


13.55-14.30 MARITIME TRAINING SHIP “A NEW PERSPECTIVE OF STANDARD MARITIME TRAINING FOR A GLOBALLY COMPETITIVE SEAFARER, Hughes Rodcolo A. Cabal, B. S. Naval Architecture and Marine Engineering Student-University of Cebu, Philippines, Jacklyn R. Antolihao, Naval Architecture and Marine Engineering Instructor - University of Cebu, Philippines. This study aims to standardize the Filipino seafarers in consonance to the adoption of the comprehensive amendments to the 1978 International Convention on Training, Certification and Watchkeeping for Seafarers - known to us all more conveniently as the STCW Convention. To meet the global competence in the shipping industry and in order to produce a well-trained seaworthy and competent seafarers, there is the need for safer life at sea, maritime security, efficient management of the ship and protection and preservation of the marine environment. This study will integrate the maritime training facilities on shipboard that will realize the actual scenario of the ship and the span of the training. The ship will serve as a “Floating maritime training center” that will be equipped with facilities to meet the STCW Convention requirements. The ship can also navigate within the Philippine waters and dock in every port of the Philippines to ease the transportation means of the seafarers or apprentice. The study will help in nation-wide dissemination of the impact in place as mandated by the International Maritime Organization (IMO) and most of all in help in becoming globally and morally competent seafarers in the shipping industry.

14.30-15.00 COFFEE

15.00-15.35 HUMAN RESOURCE DEVELOPMENT IN NAVAL AND OCEAN ENGINEERING: EFFECTIVENESS OF THE PROJECT BASED LEARNING (PBL), Ayako Ono, Armando Hideki Shinohara, Hisae Fujiwara, UFPE - Federal University of Pernambuco, Center of Technology and Geoscience Department of Mechanical Materials and Naval Engineering. PBL is a model that organizes learning around projects. The old idea that university is a closed place, only for some privileged people with discrete studies, has changed in order to be accessible. And this is the most important achievement of recent times. Understand some part of the students’ studies could be renamed or classified as the name of some professional products/subjects. In the same way, industry could create links with certain research departments in the university, developing training sectors and staying in constant contact with the university. This is the way, not only to improve our society, it is also the way to minimize and facilitate the transition from “Education” to the “Working World”.

15.35-16.10 PROJECT MANAGEMENT TRAINING, (SHORT COURSE) BY MANAGERS, FOR MANAGERS, Nick Thurbeek, Stapleton International Pte Limited, Singapore. Stapleton International is a leading edge consultancy providing services to the Engineering and Construction Industries. Since 1972 to the present day they have developed expertise in management, engineering, quantity surveying, planning, legal and legal practices. Now, in collaboration with the University of Sunderland, they have developed a Project Management Training Programme to be delivered in a modular format which is designed with both and advanced levels. This initiative is a very effective way to facilitate the transfer of knowledge learned to both industry and corporate delegates. Stapleton International have recognised the need for vocational, practical oriented and accredited project management courses. There is also a need to train junior, existing and potential project managers in more effective advanced leadership of projects in complex multi-cultural and multi stakeholder environments that now exist for many major organisations. A collaborative approach between Stapleton International and the University of Sunderland has led to the development of structured workshops and training courses which satisfy this need.

16.10-17.00 GENERAL DISCUSSION
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20-21 September, 2016, Holiday Inn, Singapore

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The registration fee includes printed conference papers, lunch, refreshments, reception, a CD of the papers and presentations after the conference, and VAT

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VENUE
The conference will be held at the Holiday Inn Singapore Orchard City Centre, 11 Cavenagh Road, Singapore 229616.

EVENING DRINKS RECEPTION
Following the end of day one (20/09/16), delegates are invited to attend an evening drinks reception at the conference venue.

ACCOMMODATION
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