

International Student Conference on Marine Technology (ISCMART 2016)

9– 10 December 2016

Enhancing Shipbuilding and Blue Economy through Research, Innovation and Collaboration

Bangladesh University of Engineering & Technology (BUET)
Dhaka 1000, Bangladesh

Conference Program

Day 0

8th December 2016 (Thursday)

Registration

Venue: NAME Seminar Room, 5th Floor, ME Building, BUET

15:00 – 20:00	Registration
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Day 1

9th December 2016 (Friday)

Inauguration Ceremony

Venue: Council Building, BUET

09:30 – 11:30	Registration
10:30 – 11:00	Inauguration of the Conference Exhibition
11:00 – 12:30	Pre-MARTEC lecture
12:30 – 14:30	Lunch and Prayer break
14:30 – 16:00	Registration
16:30 – 17:30	Inauguration of the Conference
17:30 – 18:00	Tea and Prayer break

9th December 2016 (Friday)

Keynote Paper Session

Venue: Council Building, BUET

18:00 – 20:00	Dr. Abdullahel Bari: Our Oceans and the Blue Economy: Opportunities and Challenges Mr. Trevor Blakeley: The Role of A Professional Society in Promoting The Success in The Maritime Industry Dr. Kazuhiko Hasegawa: Ship Manoeuvrability, Control and Safety Dr. Gökdeniz Neşer: Polymer Based Composites in Marine Use: History and Future Trends
20:00 – 21:00	Cultural Program
21:00 – 22:30	Conference Dinner

9th December 2016 (Friday)

Conference Dinner 1

Venue: BUET CAFETERIA

BUET Campus by walking at 21:00	
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Day 2

10th December 2016 (Saturday)

Technical Session – E.1: Unmanned Underwater Vehicle, Launching, Wave & Sea-keeping

Venue: Room E, 5th Floor of Mechanical Engineering Building, BUET

Session Chair: Prof. Dr. Qamrul Islam

9:00-10:30	173	Mehedi Hasan Tusar; MD. Hasib Fakir; Abdul Hannan Talukdar	Analysis on Piston Ballast Tank for Unmanned Underwater Vehicle
	178	Mehedi Hasan Tusar; Abdullah Al Noman; Md. Kamrul Hasan	A Study on Designing of Unmanned Underwater Vehicles
	209	S. S. Tan, A. Fitriadhy, H.C. Siek	Hydrodynamic Analysis of Ship to Ship Interaction Using ANSYS-AQWA
	211	E. S. Chong; A. Fitriadhy; W. C. Khiu	Launching Analysis of Jacket Structure using ANSYS-AQWA
	215	Kumar A/L Suparmaim	Numerical Simulation of Wave Flow Over the Overtopping Breakwater for Energy Conversion (OBREC) Device
	220	P. S. Lim, A. Fitriadhy, S.Y. Lim	Prediction of Ship's Resistance for Catamaran Using Computational Fluid Dynamics
	224	N. A. A Manan; A. Fitriadhy; S. A. Tan	Seakeeping Prediction of Deep-V High Speed CATAMARAN Using Computational Fluid Dynamic Approach
	223	W. S. Kong; A. F. Ayob	A Method for Cost Reduction in Autonomous Unmanned Aerial Vehicle (AUV) Crash via 3D Printing Technology
10:30 – 11:00	Refreshment		

10th December 2016 (Saturday)

Technical Session – E.2: Marine Education, Engine, Energy, Welding, Congestion, Debris & Heat Transfer

Venue: Room E, 5th Floor of Mechanical Engineering Building, BUET

11:00 – 13:00	94	Md. Shahnewaz and Daluar Hussain	Marine Education & Training: Future aspects and possibilities
	189	Mohammad Salman Yasin; Raju Kundu	Review of Implementation of Stirling Engine as an Auxiliary Engine in Bangladesh
	191	Mohammad Salman Yasin; Mohammad Sharier Islam; Md. Mahbub Ahsan	Implementation of Low Cost Green Energy for Lighting System in Inland Cargo Ship
	193	Md. Zahir Ahmed; Ryan Ahmed Sultan	An insight to Blue Energy resource and possibilities of Bangladesh
	195	M. Farizal; N. Y. Nugroho; D. Hardianto	Strength and Stress Distribution Weld Joint for In a Line and Overlap on the Bracket Using Finite Element
	196	Md. Towhidur Rahman; Nusrat Omar; Dr. Mohammad Rafiqul Islam	Correlation of Cargo Congestion Rate with Port Efficiency and GDP
	187	Rahamat Ullah Tanvir; Mohammad Salman Yasin	A Novel Solution for Collecting Surface and Sub-Surface Marine Debris
	198	Nandita Chakrabarty Jhumur; Anuruddha Bhattacharjee	Unsteady MHD Mixed Convection inside L-shaped Enclosure in the Presence of Ferrofluid (Fe ₃ O ₄)
13:00 – 14:00	Lunch and Prayer Break		

10th December 2016 (Saturday)

Technical Session – E.3: Corrosion, Ship Design, Collision, Structure and Material

Venue: Room E, 5th Floor of Mechanical Engineering Building, BUET

14:00 – 16:00	210	M. H. Nur Fikriah; I. Nurul Asyikin; F. Manuhutu; M. J. Suriani	Corrosion Behaviour of Zinc Coated Steel in Seawater
	212	Mohd Syawalsaifulliazan Bin Yusuf	Study of Henna (Lawsonia Inermis) as Natural Corrosion
	213	Aravinth A/L Thuraisamy	The Simulation of Ship Collision on Jacket Leg
	214	H. M. Kasa; K. Samo; W. Q. Lau	A Preliminary Design of Catamaran for Fishing Vessel of 100 GT
	216	A. N. Abdul Rohim; M. Ferry; A. Abu Bakar; Nurul Nasuha	Properties of Fiberglass: Study on Strength and Durability for Hydrolysis
	217	Nur Izzati Daing A. Hamid; Ferry M.; C.W. Mohd Nor; A. Abu Bakar; B. Izzati	Comparative Study of Solid Chengal Wood versus Laminated Use at Traditional Wooden Boat
	218	N. Aisyah; M. H. Mohd; K. S. Liang	The Effect of Corrosion Width on The Ultimate Burst Pressure Capacity of Corroded Subsea Pipeline Using ABAQUS
	221	M. Z. M. Rani; M. H. Mohd; J. C. Chin; J. W. Ng	The Effect of Corrosion Length Parameter on the Burst Pressure of Pipeline using Ansys
	222	Chan Fan Eng	Refitting a Conventional Boat towards Autonomous Capability
16:00– 16:30	Poster Presentation, Refreshment and Prayer Break		

10th December 2016 (Saturday)**Closing Ceremony**

Venue: Council Building, BUET

16:30 – 17:30	Closing Ceremony
17:30 – 18:00	Refreshment and Prayer Break

10th December 2016 (Saturday)

Conference Dinner 2

Venue: Baton Rouge

Gulshan by Bus at 18:00