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|  | <p>6th INTERNATIONAL CONFERENCE ON SHIP & OFFSHORE TECHNOLOGY ICSOT - INDIA 2019 <i>DYNAMICS OF OCEAN STRUCTURES</i> 7-8 November 2019, Kharagpur, India The Royal Institution of Naval Architects and Department of Ocean Engineering & Naval Architecture, IIT Kharagpur</p> |  |
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6th Nov : 7:00 - 8:30 PM: Registration & Welcome Reception
Venue: Foyer, Vikramshila complex, IIT Kharagpur

Day 1 (7th Nov)

8.30-9.30 AM : Registration and Breakfast Venue : Foyer, Vikramshila complex

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| Venue | GARGI AUDITORIUM |
| 9.30-10.15 AM | Inauguration |
| 10.15-11.00 AM | KEYNOTE: Prof. Mike Meylan (<i>The University of Newcastle, Australia</i>) 'Hydroelasticity and Resonant Behaviour of Very Large Container Ships' |
| 11.00-11.30 AM | Tea/Coffee Break Venue: Foyer, Vikramshila complex |
| 11.30-12.15 PM | KEYNOTE: Rear Admiral G.K.Harish, <i>DGND (SSG)</i> 'Present & Future Perspectives of Naval Shipbuilding' |
| 12.15-12.45 PM | Sponsor Presentations |

12.45-2.00 PM : Conference Lunch Venue : Foyer, Vikramshila complex

| Venue | GARGI AUDITORIUM | | MAITRAYEE AUDITORIUM | |
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| 2.00-2.20 PM | "IOS OPEN PLATFORM" ADAPTIVE SCHEME TO IMPLEMENT MARITIME BIG DATA | Sumithran Sampath | EVALUATION OF HULL GIRDER CAPACITY CONSIDERING THE EFFECTS OF LATERAL PRESSURE AND TRANSVERSE STRESSES | Karan Doshi |
| 2.20-2.40 PM | PREDICTION OF SPIRAL PATH CHARACTERISTICS OF AUTONOMOUS UNDERWATER GLIDERS | R V S Shankar | CHALLENGES IN MAINTAINING STRUCTURAL INTEGRITY OF AGED FIXED OFFSHORE PLATFORMS IN WESTERN OFFSHORE OF INDIA | Amit Jain |
| 2.40-3.00 PM | AN AUTONOMOUS SPEED SETTING SYSTEM TO ENHANCE OPERATION OF UNMANNED PLANING CRAFTS IN A SEAWAY | Himabindu Allaka | SIMPLIFIED 3D FE ANALYSIS OF FRP COMPOSITE BOLTED JOINTS WITH LAMINATE TAPERING | B Mandal |
| 3.00-3.20 PM | SPH-DEM MODELLING OF TSUNAMI DRIVEN FLOATING DEBRIS AND ITS TRAPPING BY COASTAL FOREST | M R Behera | SPECTRAL FATIGUE ANALYSIS OF SHIP PART 1: USING BEAM THEORY BASED STRUCTURAL RESPONSES | Amresh Negi |
| 3.20-3.50 PM | LECTURE: Dr. Sathish Balasubramanian (<i>ExxonMobil Services & Technology Pvt Ltd</i>) 'Design and Life Cycle Management of Marine Hoses as Engineered Consumables' | | | |
| 3.50-4.20 PM | Tea/Coffee Break Venue: Foyer, Vikramshila complex | | | |
| 4.20-4.40 PM | SPECTRAL FATIGUE ANALYSIS OF A SHIP PART 2: USING FEM BASED STRUCTURAL RESPONSES | Yogendra Parihar | VIBRATIONAL ANALYSIS OF CUTTER SUCTION DREDGER | C R Barik |
| 4.40-5.00 PM | IMO SECOND GENERATION INTACT STABILITY CRITERIA FOR PARAMETRIC ROLL RESONANCE | Shivaji Ganesan T | EFFECT OF CONDUCTOR FIXITY AT SPIDER DECK & CELLAR DECK LEVEL ON ULTIMATE STRENGTH OF JACKET STRUCTURE | Nitin Nehra |
| 5.00-5.20 PM | ASSESSMENT OF PURE LOSS OF STABILITY FAILURE MODE FOR 2ND GENERATION INTACT STABILITY | Amresh Negi | DEVELOPMENT OF CONDITIONAL ASSESSMENT SYSTEM FOR BERTHING STRUCTURES – A CASE STUDY | R K Vanama |

| Venue | GARGI AUDITORIUM | | MAITRAYEE AUDITORIUM | |
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| 5.20-5.40 PM | EXPERIMENTAL STUDY OF GREEN WATER OCCURRENCE ON KCS | R B Kudupudi | DYNAMIC BEHAVIOR OF FUNCTIONALLY GRADED CNT REINFORCED COMPOSITE PLATES: A ISOGEOMETRIC FINITE ELEMENT APPROACH | Ashish K. Singh |
| 5.40-6.00 PM | SCALE EFFECTS OF SLOSHING ON A SWAY EXCITED RECTANGULAR SHIP TANK | Shwetha Shri | AN EVALUATION OF THE PRESENT SAFETY REGIME OF SHIPPING | Karan Doshi |
| 8:00- 9:30 PM : CONFERENCE BANQUET Venue: Technology Club, IIT Kharagpur | | | | |
| Day 2 (8th Nov) | | | | |
| 8.30-9.30 AM : Breakfast Venue : Foyer, Vikramshila complex | | | | |
| Venue | GARGI AUDITORIUM | | | |
| 9.30-10.15 AM | KEYNOTE: Capt. KJH Christie (IN Retd.) (<i>Vice President and Head Design, L&T Shipbuilding</i>) 'Ship Design: Where we are and where we need to go' | | | |
| 10.15-11 AM | KEYNOTE: Prof. RN Govardhan (<i>IISC Bangalore</i>) 'Biomimetic Underwater Vehicles' | | | |
| 11-11.30 AM | Tea/Coffee Break Venue : Foyer, Vikramshila complex | | | |
| Venue | GARGI AUDITORIUM | | MAITRAYEE AUDITORIUM | |
| 11.30-11.50 PM | FULLY NON-LINEAR POTENTIAL FLOW METHOD FOR MULTIPLE FLOATING BODIES IN CONFINED WATERS | Leif Broberg | SHIP RESISTANCE PREDICTION USING ARTIFICIAL NEURAL NETWORKS | Rishav Raj |
| 11.50-12.10 PM | UNDERSTANDING POLAR ENVIRONMENT: PRELIMINARY RESULTS FROM DEEP-LEARNING BASED SEGMENTATION OF OPTICAL ICE IMAGES | Nabil Panchi | ANALYSIS OF LONGITUDINAL STRENGTH OF A BULK CARRIER IN WAVES | S K P Chelladurai |
| 12.10-12.30 PM | SEAKEEPING AND SLOSHING ASSESSMENT METHODOLOGY FOR FLNG TERMINALS | Jai Ram Saripilli | RADAR CROSS SECTION AND SUPERSTRUCTURE GEOMETRY - A STUDY ON AUGMENTATION OF STEALTH IN MODERN WARSHIPS | Ananth Kishore |
| 12.30-12.45 PM | Sponsor Presentations | | | |
| 12.45-2.00 PM : Conference Lunch Venue : Foyer, Vikramshila complex | | | | |
| Venue | GARGI AUDITORIUM | | MAITRAYEE AUDITORIUM | |
| 2.00-2.20 PM | METHODS OF SIMULATION-DRIVEN DESIGN IN THE MARITIME INDUSTRY | Heinrich von Zadow | FEASIBILITY STUDY OF USING MACHINE LEARNING TOOL FOR EVALUATION OF 3D TIME DOMAIN FREE SURFACE GREEN'S FUNCTION FOR THE SHIP MOTION PROBLEM | R Datta |
| 2.20-2.40 PM | WATER COLUMN RESPONSE WITHIN A BARGE HAVING BOTTOM OPENINGS | Suraj Kanchak Garad | ANALYSIS OF FORCES AND FLOW FEATURES OF A WAVY CYLINDER AT LOW REYNOLDS NUMBER | Arijit Pradhan |
| 2.40-3.00 PM | NUMERICAL INVESTIGATION OF ROLE OF ANGLE OF ATTACK OF DUCT IN DUCTED PROPELLER WITH PBCF | Pritam Majumder | MITIGATION OF UNDERWATER EXPLOSION INDUCED SHOCK LOADING ON SANDWICH COMPOSITE WITH BIOMIMETIC CORE | A Prabhakar |
| 3.00-3.20 PM | HYDROFOIL WITH DIFFERENT CONFIGURATIONS OF TWO LEADING-EDGE PROTUBERANCES | Rajni Kant | PROCESS-STRUCTURE & PROPERTY CORRELATION OF FRICTION STIR WELDING OF MARINE GRADE AA5083 THROUGH FINITE ELEMENT METHOD | Mrinal Sahu |
| 3.20-4.00 PM | Tea/Coffee Break Venue: Foyer, Vikramshila complex | | | |
| 4.00-4.30 PM | VALEDICTORY SESSION | | | |