

The 17th Research Presentation Meeting of National Maritime Research Institute  
20 July 2017

No.	Subject
3	Towards improvement of ship performance in actual seas -Project for ship performance evaluation in actual seas-
4	Introduction of “Goal-Based ship construction Standards” project
5	Development of Energy-Saving Ship Hull Form Families for Coastal Shipping
6	Underwater Ship Radiated Noise -State of Art and Research in NMRI-
7	Recent Progress of Next Generation CFD Code “NAGISA”
8	Development and Verification of Nonlinear Ship Motion and Wave Load Analysis Tool NMRIW_ver.2
9	Improving Performance of Newly Developed Material on Ship Crashworthiness to Reduce Risk of Large Oil Spill from Tankers, Class Notations and Application to Actual Ships.
10	Development of the Skill Ability Evaluation System, Skill Testing & Certification and Skills Competition for Shipbuilding in Imabari
11	An Investigation into Reduction of Black Carbon Emissions from Marine Diesel Engines
12	Development of Fuel Cell System on Marine Field
13	Autonomous Technology for Bridge
14	Utilization of Information Technology for Collision Casualty Analysis
15	Study on Seafloor Mineral Processing for Development of Seafloor Massive Sulfides
16	Near-Bottom Survey of a Hydrothermal Vent Site by Deploying an Unmanned Exploration Unit of ASV-Controlled Multiple AUVs

No.	Subject
PS-1	A Development of Variable Hull-form Series for Domestic Ships
PS-2	On the Estimation Method of Frictional Resistance of Painted Surface on Actual Ship
PS-3	Validation of Estimations of Wave-induced and Turning Ship Motions in Waves.
PS-4	Simulation in Shallow Water Condition with Overset Grid Approach and New Features of UP_GRID
PS-5	Classification of Small Ships' Capsizing Factors in Waves
PS-6	Development of Direct Load and Structural Analysis (DLSA) System
PS-7	Advanced measures to comply with IMO Noise Code
PS-8	Measurement of High-lift Composite Sail by Imagery Analysis Method and Evaluation of Aero-elasticity Effects
PS-9	SPH-Based Numerical Simulation of Sloshing Behavior for Moss type LNG Tank

PS-10	On Board Exposure Test of Structural Adhesive Bonding Joints
PS-11	HIL SIMULATOR OF PROPULSION ENGINE AND MICROPROCESSOR GOVERNOR
PS-12	Effects of Intake Gas Compositions in Gas Engine Exhaust Gas of Marine Diesel Engine on its Exhaust Gas
PS-13	Utilizing detailed data in international bulk transport
PS-14	Analysis on Delay Probability of Long Distance Ferry in Japan
PS-15	Application of Safety Assessment for Establishing Ship Routing System
PS-16	Continuous Measurement of Radioactivity in Sed Bed by Using a Towed Gamma-ray Spectrometer
PS-17	Survey of radioactive material distribution in sediment by ROV in Tohoku coastal waters
PS-18	Survey of Subsea Technologies for Offshore Oil and Gas Development
PS-19	A Study on Design and Safety Evaluation of Tower-Yoke Mooring Systems
PS-20	CFD Simulation on Offshore Support Vessel with Moon Pool in Waves
PS-21	Study of Power Maximum Control on Point Absorber Type Wave Energy Converter
PS-22	Development of cruising AUVs used in multiple vehicles operation for hydrothermal deposits survey
PS-23	Development of ASV Used in Multiple Vehicles Operation for Hydrothermal Deposits Survey