

11th INTERNATIONAL CONFERENCE
TRANSNAV 2015
ON MARINE NAVIGATION AND SAFETY OF SEA TRANSPORTATION



Faculty of Navigation
Gdynia Maritime University

The Nautical Institute



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17-19 June 2015, Gdynia

We kindly inform that 11th International Conference TransNav 2015 on Marine Navigation and Safety of Sea Transportation will be held from 17 to 19 June 2015 (Wednesday - Friday).

The Conference is organized by the Faculty of Navigation of the Gdynia Maritime University and The Nautical Institute.

The Conference is addressed to scientists and professionals in order to share their expert knowledge, experience and research results concerning all aspects of navigation, safety of navigation and sea transportation.

We would like to announce that we expect over 250 participants from all continents.

This Conference is great occasion to present your activities, products offers and opportunities.

Prof. Adam Weintrit
Chairman of Conference
TransNav Journal Editor-in Chief
Dean of the Faculty of Navigation
Gdynia Maritime University

CONFERENCE OFFICE:

TransNav 2015

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Corporate Sponsorships Opportunities

There are many corporate support opportunities for industry to gain exposure through TransNav 2015.

	Levels of cooperate	
	A	B
Registration and Participation in TransNav 2015 (person)	2	1
Proceedings (issues)	2	1
Logo on Conference Website with link to Sponsor's Website	+	+
Logo in the Conference Announcement	+	+
Logo in the Conference Programme	+	+
Full page colour ad in Conference Programme	+	-
Sponsor's Promotion Banner (or Rollup) placed in the Conference venue	+	-
Distribution of Sponsor's Promotional Materials	+	+
PRICE* (€)	3 000	1 500

*All prices are mentioned in Euro, to be open for negotiation.

We invite your company to cooperate with us. We are open to your proposals and suggestions. For additional information please contact Conference office.

Apart from the above mentioned ways of advertising we can also offer other forms of presentation, eg.:

- exhibition,
- presentation during plenary sessions,
- coffee breaks, lunches or cocktails sponsored by your company.

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SYMPOSIUM MAIN TOPICS:

- Nautical Science; Marine Navigation
- Safety and Security of Maritime Shipping; Safety at Sea
- Sea Transport and Transportation Technology
- Technology Development in Maritime and Ocean Engineering
- Safety and Environment Protection at Sea
- Recent Trends and Future Perspectives for Shipping
- Essential Geodesic based Trajectories in Navigation: Loxodrome (Rhumb Line), Orthodrome (Great Circle) and Geodesic Line
- Geometry of Navigation
- Geodesy; Geodetic Systems; WGS-84
- Hydrography; Sea Surveying
- Marine Cartography; Chart Projections; Chart Datum; Coastal and Ocean Mapping
- Geodetic and Hydrographical Support of Human Activity at Sea
- Geospatial Sciences; Geographic Information Systems; GIS Technology; Geomatics and GIS in Maritime Applications
- Spatial Data Analysis; 3D Mapping; Virtual and Augmented Reality
- Geovisualization; Animated and Dynamic Cartography; Generalization and Multi-Scale Representation
- Spatial Planning of Maritime Areas
- Marine Applications of Remote Sensing Technologies
- Virtual Geographic Environments (VGE); Earth Information Science
- Marine Digital Terrain Model; Marine Digital Elevation Model; Numerical Maps
- Electronic Chart Systems ECS and ECDIS
- Navigational Charts: ENC, RNC, DNC, SNC
- Inland, Sea-River, River and Pilot Navigation Systems; Inland Shipping
- Presentation of Navigation-related Information; User Interface
- Routing of Ships and Associated Protected Measures; Ship Reporting; Traffic Separation Schemes (TSS)
- Route Planning and Route Monitoring; Passage Plan; Shipping Lane
- Integrated Navigational Systems INS, Integrated Bridge Systems IBS
- Multisensor Integration; NMEA; Communication Between Marine Electronics
- Alternate Navigation Technologies; Inertial Navigation; Indoor Navigation; Urban Navigation; Personal Navigation
- Inertial Systems for Positioning & Orientation
- Autonomous Navigation
- e-Navigation Concept
- Satellite Navigation Systems (GNSS, GPS, GLONASS, Beidou and Galileo); GNSS Vulnerability
- GNSS Ground Based Augmentation Systems (GBAS); Space Based Augmentation Systems (SBAS); Satellite Geodesy
- Next Generation GNSS
- GNSS Training, Awareness and Promotion
- GNSS Meteorology; Space Weather and Atmospheric Effects on GNSS
- Integration of Satellite Navigation, Geospatial Information Management and Wireless Communication Systems
- Atomic Clocks and Timing Applications
- Celestial/Astro Navigation; Nautical Almanac
- Magnetic Compass; Mechanical, Fiber Optic and Ring Laser Gyro Compasses
- Radio Frequency Technology; Radio Based Navigational Systems; Radio Navigation
- Determining the Position of a Vessel; Position Fixing; Accuracy and Precision
- Navigational Infrastructure; AtoN; Virtual Aids to Navigation
- Precise Point Positioning (PPP); Location-Based Services (LBS)
- Real-Time Locating System (RTLS)
- Dynamic Carrier Allocation Techniques; Localization Techniques
- Automation Aspects in Navigation
- Techniques, Algorithms and Methods in Navigation; Aviation, Marine, Land and Inland Water Applications
- Hydrotechnics; Hydrotechnical Structures
- Maritime Casualties, Ship Safety, Maritime Risk, Safety Culture
- Marine Industry and Ship Technology
- Ships and Port Operations; Facilities and Cargo Handling; Port Engineering; Safety of Port Operations
- Status and Role of Sea Ports in Transport Corridors
- Containerization; Container Shipping, Vessels and Terminals
- Dangerous and Hazardous Goods; IMDG Code; Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
- LNG Fuel, Transport, Vessels, Terminals

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- Ocean, Coast and Offshore Engineering
- Offshore Technology; Offshore Surveying
- Offshore Energy, Gas and Oil; Renewable Ocean Energy
- Automation, Robotics, Underwater Technology and Offshore Constructions
- New Marine Vehicles, Structures and Equipment
- Coastal Infrastructure and Engineering
- Maritime Traffic Engineering; Traffic Analysis and Control
- Organization and Management of Vessel Traffic; Pilotage
- Systems of Control, Guidance and Monitoring of Traffic, VTS, VTMS, VTMS
- Ship Manoeuvring in Shallow and Confined Water; Ship to Ship Interaction
- Hydrodynamics and Manoeuvrability of Ships
- Ship Dynamics, Stability and Control of Ships
- Modeling of the Ship Dynamics
- Ship Motion; Degrees of Freedom
- Steering of the Ship Motion; Steering Control Systems; Autopilot Systems
- Ship Stability and Seakeeping
- Sea Wave Theory; Ocean Wave Modeling; Computational Fluid Dynamics
- Hydraulic Phenomena: Flow in Channels, Maritime Flows, Tides and Waves; Sedimentology in Rivers, Estuaries and Coastal Waters
- Global Ocean Ecosystem Dynamics
- Water Resources, Hydrology and Hydraulic Engineering
- Physical, Chemical, Biological, Geological and Technical Oceanology
- Ship Propulsion; Mechanical Engineering; Machinery & Control; Diagnostics of Marine Engineering
- Applied Mechanics and Mechanical Automation
- Vessel Efficiency and Fuel Management; Energy Monitoring; Energy Efficiency Measures for International Shipping
- Anti-Corrosion for Maritime Industries
- Structural Health Monitoring; Stress and Fatigue Analysis
- Structural Life Extension for Offshore Installations and Marine Vessels Masterclass
- Navy and Warship Technology; Defense, Security & Military News
- Naval Weapon; Naval Warfare
- Marine and Offshore System Design
- Naval Architecture; Ship Construction and Design
- Mathematics and Computers in Naval Engineering
- Tactical Navigation
- Command and Leadership
- Maritime English, SMCP; Communications in the Multinational Shipping Industry
- Radiolocation; Ground-based, Ship-borne and Airborne Radar Systems
- Marine Radar; Radar Equipment; FMCW, SAR/RAR, ARPA, EPA, ATA
- Rules of the Road, Colregs and Anti-Collision; Accident Reconstruction
- Ship Domain
- Ship Handling and Maneuvering
- Automatic Identification System (AIS); Long Range Identification and Tracking (LRIT)
- Intelligence, Surveillance and Reconnaissance (ISR); Tracking Systems
- Mobile Vehicle Tracking and Monitoring
- Electronic Log Book; Voyage Data Recorder VDR, S-VDR; Black Box
- Safety, Security and Emergency in Transportation
- Maritime Search and Rescue (SAR)
- Survival in Maritime Disasters; Survival Data Analysis
- Piracy and Armed Robbery; Maritime Terrorism
- Life-Saving Service; Life-Saving Appliances (LSA)
- Bridge Team Management
- Human Factors, Marine Accidents, Human Errors
- Ballast Water Management
- Sea Pollution and Environmental Protection
- Marine Environmental Science; Chemical Science
- Crew Resource Management, Safe Manning, Stress and Fatigue
- Maritime Employment and Competitiveness; Seafarers' Work, Family Life; Globalisation, Seafarer Health and Safety
- Global Maritime Awareness
- Marine Resource Assessment, Natural Resource Management
- Navigational Systems - the End User Experience
- Systems Modelling and Simulation
- Marine Simulation; Full Mission Bridge; Navigational Simulator
- International Standards and Regulations

<http://transnav2015.am.gdynia.pl>

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- Standardization of Navigational Terminology
- Maritime Education and Training (MET); IMO Model Courses Validation; STCW Implementation
- Frontiers in Educational Methods; Computer-Based Assessments in Seafaring Training; e-Learning
- Web Technologies for Open Access to Learning and Education; Smart and Virtual Learning Systems
- History of Marine Cartography and Historical Cartography; Historical Nautical Charts
- New Researches in the History of Navigation; Navigation in Ancient Times
- The History of Maritime Technology
- Marine Archaeology; Underwater Research
- Marine and Coastal Geography; Marine GIS; Ocean Informatics
- Tides and Tidal Currents
- Meteorology and Nautical Oceanography
- Weather Routing, Marine Weather Forecast; Route Optimization
- Ocean Disaster Assessment and Prevention; Heavy Weather
- Climatology; Climate Change
- Tropical Cyclones and Impact of Extreme Storms
- Geohazards (Volcano Eruptions, Landslides, Floods, Earthquakes, Tsunami Waves)
- Polar Research, Safe and Sustainable Traffic in Ice/Winter Conditions; Arctic Navigation
- Coastal Zone Management
- Marine & Coastal Protected Areas; Particularly Sensitive Sea Area (PSSA)
- Marine Biology, Ecology, Behavior of Marine Animals; Animal Navigation
- Aquaculture & Fishing
- Marine Leisure and Tourism
- Nautical Tourism and Yachting; Small & Pleasure Crafts
- UNCLOS, Delimitation of Maritime Boundaries, EEZ
- Advanced Maritime Policy and Governance; Maritime Administration
- Maritime Law, Insurance and Arbitration
- Communication, Electrical, Electronic and Control Engineering
- Information and Communications
- Computer Engineering; Digital System Design; Computer Applications in Maritime Engineering
- Information Processing and Engineering
- Information Technology and Applications in Maritime Sector
- Maritime Clouds; Digital Data Exchange; Cloud Computing and Big Data
- Multimedia, Network & Communication Technology and Application
- Hybrid Satellite Communications
- Maritime Telecommunications; Global Maritime Distress and Safety System (GMDSS)
- Wireless Maritime Services and Mobile Technology
- Signal & Image Processing; Data Transmission, Processing and Analysis
- Expert Systems in Marine Navigation and Sea Transportation
- Fuzzy Logic; Artificial Intelligence Technologies; Artificial Neural Network;
- Decision Support Systems and Artificial Intelligence Methods in Maritime Transport
- Neuroevolution, Artificial Immune Systems, Reinforcement Learning
- Telematics in Maritime Transportation
- Autonomy in Transport Systems
- Maritime Intelligent Transportation Systems; ITS
- Smart Vehicles: Connectivity Technologies and ITS Applications
- Knowledge-Based Intelligent Information and Engineering Systems
- Intelligent Control System of Ships Dynamic Positioning, DP Technology
- Autonomous Vehicle Design and Control
- Acoustic Remote Sensing, Hydroacoustics
- Sonars; Multibeam Echo Sounders (MBES); Sea-Floor Mapping
- Underwater Acoustic Measurements: Technologies, Methods and Systems
- Maritime Sensors, Technology and Infrastructure in Waterside Security
- Modeling and Numeric Methods in Maritime Industry; Applied Mathematics
- Cybernetics, Robotics and Automation; Autonomous Marine Operations and Systems
- Transport Data and Statistics; Statistical Methods & Applications
- Severity, Probability and Risk of Accidents during Maritime Transport; Maritime Accident Statistics
- Mathematical Model Applications in the Operation of Vessel and Port Machinery
- Mathematical Fundamentals of Safety and Dependability, Maintainability of Maritime Objects
- Quality, Reliability, Risk, Maintenance and Safety Engineering
- System Availability, Software and Structural Reliability
- Maritime Safety, Security and Risk Management; Risk and Safety Analysis, Assessment and Prediction
- Crisis, Emergency, Natural Hazard and Disaster Management
- International Safety Management Code (ISM Code)
- Reliability and Safety Methods: HAZOP, HAZID, HRA, FMEA, FSA, FTA, ETA

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- Quality Management; Quality Assurance; Quality Control; Quality Maritime Training
- Transport Systems: Operation, Management, Control and Maintenance
- Transportation Planning and Management; Economic, Legal and Social Aspects; Transport Policy
- Management Information Systems
- Marine Ship Economy, Finance and Insurance, Management and Business Strategy
- Maritime and International Trade
- Impact of Economic Recession on Maritime Transport; Shipping Financial Management
- Sea Freight and Forwarding
- Intermodal, Multimodal and Combined Transport
- Maritime Transport and Logistics Systems; Maritime Economics and Logistics (MEL)
- Logistics and Supply Chain Management
- Smart City and Port; Technological, Ecological and Social Challenges; Geo-localities and Cultural Effects; Waterfront Infrastructure
- Multi-Agent Control for Transport Networks
- New Maritime Technologies; Application and Evaluation Studies
- Development of Methods and Criteria for International Standards and Specifications; Classification Rules
- IMO, IHO, IALA, IEC, ISO, IAIN, IMLA, IMSO, IAME, IAMU, EMSA, ITU, IEEE, RTCM, NMEA, PIANC, EUGIN, RIN and NI Activities