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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http://transnav2015.am.gdynia.pl
Corporate Sponsorships Opportunities

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

<table>
<thead>
<tr>
<th>Levels of cooperate</th>
<th>A</th>
<th>B</th>
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<tr>
<td>Registration and Participation in TransNav 2015 (person)</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Proceedings (issues)</td>
<td>2</td>
<td>1</td>
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<tr>
<td>Logo on Conference Website with link to Sponsor’s Website</td>
<td>+</td>
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<td>Logo in the Conference Announcement</td>
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<td>Logo in the Conference Programme</td>
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<tr>
<td>Full page colour ad in Conference Programme</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Sponsor’s Promotion Banner (or Rollup) placed in the Conference venue</td>
<td>+</td>
<td>-</td>
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<tr>
<td>Distribution of Sponsor’s Promotional Materials</td>
<td>+</td>
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<tr>
<td><em><em>PRICE</em> (€)</em>*</td>
<td>3 000</td>
<td>1 500</td>
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*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
- Routeing 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
- 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, VTMIS
Ship Manoeuvring in Shallow and Confined Water; Ship to Ship Interaction
Hydrodynamics and Maneuvrability 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
Navy and Warship Technology; Defense, Security & Military News
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

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

- 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