MTE 2022 CONFERENCE PROGRAMME		
12.10.2022 Wednesday		
13:00 - 14:00	Arrival to Kołobrzeg, registration	
14:00 - 15:00	Lunch	
15:00 - 15:10	Opening Ceremony: Vice-Rector for Science, MUS - Bejger A.	
15:10 - 17:10	**1 Plenary session and invited papers**	
	Chair: Adam Weintrit	
15:10 - 15:30	**Vidmar P.,** Perkovič M., Gerbec M.: CFD analysis of LNG spill during bunkering	
15:30 - 15:50	**Dąbrowski P.S.**, Specht C., Specht M., Burdziakowski P., Lewicka O.: Verification of the method for adjusting GNSS surveys in rail transport with parameter-binding conditions in a stationary scenario	
15:50 - 16:10	**Baldauf M.**, Montewka J., Fischer S., Szlapczynska J., Gluch M., Gil M., Milbradt G., Wróbel K., Kirchhoff M.: Ship domains, manoeuvring zones and e-Navigation – investigations to improve collision avoidance	
16:10 - 16:30	**Gerson T.**, Noack T., Generating a vessel route model from AIS data using the Fréchet distance	
16:30 - 16:50	Chrysostomou A., **Bergmann M**. : Implementing secure digital data sharing for port visits	
16:50 17:10	Gucma L.**,** Gucma M., Bąk A., Gralak R., Bilewski M., **Muczyński B**.: Operational platform managing a fleet of semi-autonomous drones exploiting GNSS high accuracy and authentication to improve security & safety in port areas – PASSport project	
20:00	Gala Dinner (at hotel restaurant)	

13.10.2022 Thursday		
08:00 - 10:00	Breakfast	
10:00 - 12:00	**2 Plenary session**	
	Chair: Teresa Abramowicz-Gerigk	
10:00 - 10:20	Djackov V., **Iamshchikov E.**, Bialagloviene M., Mickeviciene R.: Experimental research on pithing and heaving of stabilized catamaran	
10:20 - 10:40	**Abramowicz-Gerigk T.,** Gerigk M. K., Jachowski J.: CFD prediction of bow thruster generated loads on the quay wall	
10:40 - 11:00	**Rizzi F.**, Grundhofer L., Gewies S., Ehlers T.: Performance assessment of the R-Mode Baltic testbed at sea near Rostock	
11:00 - 11:20	**Artyszuk J.**, Zalewski P.: Sensitivity study of ASD tug design and operation on towing effectiveness at ship's bow	
11:20 - 11:40	**Srše J.**, Perkovič M., Grm A., Vidmar P.: Modelling of seabed disturbance	
11:40 - 12:00	**Stopa M.**: Approach to understanding navigators' ergonomic needs based on Kano model	
13:00 - 14:00	Lunch (at hotel restaurant)	
14:00 16:00	Free time	
16:00 - 17:30	**3 "5 minutes Tik Tok" Plenary Session (posters, oral, Power Point, flip chart)**	
	Chair: Cezary Specht	
	1	Strąg M., **Świderski W**.: Non-destructive testing of composites in marine applications
	2	**Magryta-Mut B**.: Modeling safety of port and maritime transportation systems
	3	**Łazuga K.:** Cost optimization of water reserves under the keel of a ship on the example of the modernized Szczecin-Swinoujscie waterway
	4	Kaup M., Łozowicka D., Baszak K., Ślączka W., **Mysłowski J.:** Assessment of stability and strength of a container ship for compliance of the cargo plan with the actual method of loading
	5	Książkiewicz E., Jachowski J., **Abramowicz-Gerigk T.**, Burciu Z.: Numerical prediction of pneumatic liferaft performance
	6	**Juszkiewicz W**., Żukowska A.: The use of the K-Sim Polaris simulator in the process of automatic assessment of navigator's competences in the aspect of anti-collision activities
	7	Luin B., **Perkovič M.**, Batista M., Mehelmauer M.: Methods for AIS data processing, clustering and analysis
	8	**Dramski M.**, Mąka M.: Modeling of marine pollutant emissions with the use of linear local models
	9	Gucma S., Artyszuk J., Gralak R., **Przywarty M.**: Simulation tests of the passing distance of ships on a two-way fairway
	10	**Kaizer A.**: Proposal of ECDIS simulation tests for dredging activity in seaports: a project management approach
	11	**Bąk A.**, Klejnberg P.: Analysis of anti-collision maneuvers between sailing yachts and power-driven vessels for compliance with COLREGs
	12	**Naus K**.: The method of determining the position in relation to the swarm leader on the basis of course, speed and distance measurements
	13	**Bilewski M.,** Gralak R., B. Muczyński**:** Development of an innovative solution for dynamic training: executive element of the force feedback system
	14	Gucma M., **Wajda K**.: Formal Safety Assessment (FSA) methodology as a tool used for risk management for the new Swinoujscie-Szczecin fairway
	15	**Jankowski S.,** Przywarty M.: Electrifying of ports as a mean to reduce greenhouse gases emissions
	16	**Dlabač T.**, Antić S., Ćalasan M., Milovanović A., Marvučić N.: Tank-level control using PID controller and Dahlin`s algorithm
	17	**Gucma M.**, Bąk A., Szczodrowski M.: Sharky – autonomous open hardware&software craft for precise environmental measurements
	18	**Jarząbek D.**, Drwięga K., Tarkowski M.: Task risk assessment role in marine transport
	19	**Świerczyński S**., Wąż M.: Active lighting control system for wind farms
	20	Bryll K., Scheibe M., Kukiełka W., Czernecka-Komorowska D., **Gawdzińska K**.: Assessment of structural safety of small polymer composite floating units
	21	**Muczyński B**., Gucma L.: Navigator's task inference based on visual entropy measure
	22	**Praczyk T**.: Navigation in swarm of underwater vehicles based on the information about the distance to the swarm leader and indications of a low-cost inertial dead reckoning system
	23	**Durlik I.**, Gucma L., Miller T.: Statistical model of ship delays on the Świnoujście – Szczecin fairway in terms of restrictions resulting from the port regulations
	24	**Zwolan P**.:Presentation of the ship squat effect as a function
	25	**Żuliński A**.: System for recognizing sound signals
	26	**Soskic S.**, Komazec N., Milic A.: Improvement of the risk management process in the function of sustainability of water transport planning
	27	**Grządziel A**. : Application of remote sensing techniques to mapping underwater airplane wreck in shallow water environment: case study of the Baltic Sea, Poland
17:30 - 19:00	Dinner (at hotel restaurant)	

14.10.2022 Friday		
08:00 - 10:00	Breakfast	
10:00 - 12:00	**4 Plenary session**	
	Chair: Paweł Zalewski	
10:00 - 10:20	**Filipowicz W**.: Conditional dependencies and position fixing	
10:20 - 10:40	Ravikumar B., **Ricci S.**, Rizzetto L.: Innovative strategies for fire management on container ships	
10:40 - 11:00	Kasyk L., Pleskacz K. , **Kapuściński T.**: Social and situational errors as components of human errors, resulting in marine incidents	
11:00 - 11:20	Ziemska-Osuch M., **Guze S.**: Analysis of the impact of road traffic generated by port areas on the urban transport network. Case study of the Port of Gdynia	
11:20 - 11:40	**Zalewski P**.: Evolution of maritime GNSS and RNSS performance standards	
11:40 12:00	**Jaskólski K**., Felski A.: Short-term characteristics of the automatic identification system (AIS) availability	
12:00 - 12:10	**Closing of MTE 2022 Conference**	
12:00 - 12:30	Coffee break and snacks (at hotel, IV floor)	