

“MIRCEA CEL BATRAN” NAVAL ACADEMY

SEA - CONF 2024
10th INTERNATIONAL CONFERENCE



May 16th – 18th, 2024
Constanta

SEA-CONF 2024 PROGRAMME

Thursday, 16th of May 2024

Arrival of participants

Friday, 17th of May 2024

07.30 – 08.30 Participants registration; distribution of folders with promotional content

08.30 – 09.30 Official opening Sea-Conf 2024:

- Raising the Flag Ceremony;
- Welcome message of the Rector of Romanian Naval Academy “Mircea cel Batran”.
- Plenary sessions:

- **“Making Naval Operations More Safe and Secure Using AI Algorithms”**, Vasile Dobref, Paul Burlacu, Elena Grațîela Robe, Anata Flavia Ionescu, Vlad Mocanu;
- **“On the Role of Solvents and Additives for Better Electrochemical Batteries”**, Jenel Vătămanu.

09.30 – 09.45 Group Photo; Coffee Break

09.45 – 10.45 Visiting the RNAMB university campus

10.45 – 14.00 Paper Presentations on Sections:

Section A - Mechanical Engineering, **Room Ep 26**

Section B - Electrical Engineering, Automation and Computer Science, **Room LI 356**

Section C - Navigation, Transport and Management, **Room LP 11**

Section D - Fundamental and Applied Research, Military, Linguistics and Social Sciences, **Room L 120, L121**

Section E - Workshop: MARLANG Project „Linguistic diversity in European Maritime Higher Education Institutions” Erasmus+ Program - KA220 - HED: Cooperation partnerships in higher education Project Nr: 2022-1-FR01-KA220-HED-00089655, **Room Cp06**

14.30 – 19.30 Presentation of Seamanship and Water Sports Training Center - Palazu Mare. Cocktail.

Saturday, 18th of May 2024

10.00 – 12.00 Visit of Constanta (individually);

12.00 – Departure of participants.

SCIENTIFIC COMMITTEE

CHAIRMAN: Alecu TOMA, Rector of Romanian Naval Academy "Mircea cel Batran"

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- Tomasz SZUBRYCHT (Poland)
- Alecu TOMA (Romania)
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- Constantin Iulian VIZITIU (Romania)
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Room LI 356

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Leon Pană

Fundamental and Applied Research, Military, Linguistics and Social Sciences Section

Rooms L120, L121

Chairman: Andrei Băutu

Members: Dan Lascu, Laura Cizer,
Carmen Cojocaru, Edith Kaiter

Mechanical Engineering Section

Room Ep 26

Chairman: Adrian Popa

Members: Marian Ristea, Mihaela Greti Manea,
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92	SEVERAL ASPECTS REGARDING THE MACHINERY AND EQUIPMENT USED IN THE DRAWING OF SHEETS	Aurelia Chioibas ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
93	ASPECTS REGARDING THE QUALITY OF DRAWN PARTS	Aurelia Chioibas ¹ ¹ Romanian Naval Academy “Mircea cel Batran”

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
1	RESILIENCE ENGINEERING PRINCIPLES APPLIED IN THE DESIGN OF THE PORT OF CONSTANTA, ROMANIA	Alexandru Cristian Ionescu ¹ , Romeo Ciortan ¹ ¹ Ovidius University
3	SURVEY OF SHIP FIRE PREVENTION AND ALARM SYSTEM	Ginka Ivanova ¹ , Dencho Bajchev ¹ ¹ Technical University - Varna
4	GUIDELINES FOR CHECKING STABILITY REQUIREMENTS FOR	Ginka Ivanova ¹ , Dencho Bajchev ¹ ¹ Technical University -

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
	PASSENGER SHIPS	Varna
9	3D-FEM MODELING OF A PARALLELIPIPEDIC CRANE FOR HEAD AND OBLIQUE DESIGN WAVES TESTING	Elisabeta Burlacu ¹ ¹ Ovidius University
24	ASSESSING FRESHWATER POLLUTION BY CTD MEASUREMENTS: A HOLISTIC APPROACH TO WATER QUALITY MONITORING	Andra-Teodora Nedelcu ¹ , Gheorghe Samoilescu ¹ , Alec Toma ¹ , Manuela Rossemary Apetroaei, Tiberiu Pazara ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
25	EMERGING TECHNOLOGIES - CHANGING THE STATUS QUO AND SHAPING THE FUTURE OF THE MARITIME TRANSPORT	Andreea Florina Radu ¹ , Ioana Petcu ² , Bogdan Alexandru Furduescu ² ¹ Babes Bolyai University of Cluj-Napoca ² National Institute for Research & Development in Informatics - ICI Bucharest
28	INVESTIGATION OF THE PH INFLUENCE IN THE COASTAL AREA OF THE BLACK SEA ON THE ATTENUATION OF ACOUSTIC SIGNALS	Elena-Gabriela Curcă ¹ , Cătălin Frățiță ¹ , George Surdu ¹ , Tiberiu Axinte ¹ , Iuliana-Lidia Calancea ¹ ¹ Navy Research and Innovation Center
32	MARITIME CATASTROPHES CASE STUDIES AS PART OF MARITIME EDUCATION AND TRAINING	Ivaylo Mitishev ¹ , Nikolay Sozonov ¹ ¹ Nikola Vaptsarov Naval Academy
38	TSUNAMI OCCURRENCE IN THE SOUTHERN PART OF THE BLACK SEA COAST: A	Andra-Teodora Nedelcu ¹ , Constanța Dinu-Vasile Atodiresei ¹ , Romeo

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
	CASE STUDY	Boşneagu ¹ , Lucian Dumitrache ¹ , Alecu Toma ¹ , Sergiu Şerban ¹ , Sorina Antoche ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
40	SECURING BLACK SEA BORDERS: ASMINES INNOVATIONS IN DRIFTING SEAMINES DETECTION	Vasile Dobref ¹ , Elena- Graţiola Robe-Voinea ¹ , Alexandru Pintilie ¹ , Vlad Mocanu ¹ , Elena-Andreea Zvâncă ¹ , Andrei-Viorel Chiru ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
55	RUSSO-UKRAINIAN WAR INFLUENCE ON DANUBE- BLACK SEA CANAL TRAFFIC	Cristina Alecse ¹ , Carmen Safta ² , Sergiu Petru Şerban ¹ ¹ Romanian Naval Academy “Mircea cel Batran” ² Politehnica University of Bucharest
61	TRAINING PROGRAMS OUTLINES FOR ONBOARD HEALTH RISKS MANAGEMENT. LITERATURE REVIEW AND CURRICULAR DEVELOPMENTS	Sergiu Lupu ¹ , Cătălin Popa ¹ , Filip Nistor ¹ , Florin Nicolae ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
64	MODEL FOR ENVIRONMENTAL IMPACT ASSESSMENT IN THE RELATIONSHIP BETWEEN TRANSPORT LOGISTICS AND THE PORT SYSTEM	Florin Nicolae ¹ , Alexandru Cotorcea ¹ , Nadina Gabriela Alexandru ¹ , Dragoş Simion ¹ , Cosmin Partene ¹ , Andrei Pocora ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
68	CONTRIBUTIONS ON THE	Emil Manea ¹ , Mihaela-Greti

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
	USE OF PROBABILITY LAWS AND STATISTICAL TESTS IN THE ANALYSIS OF SHIP MAINTENANCE WORK IN A SHIPYARD	Manea ² , Alexandru Pintilie ² , Elena Grațîela Robe-Voinea ² ¹ Constanta Shipyard ² Romanian Naval Academy “Mircea cel Batran”
72	UNVEILING THE ESSENTIALS OF TARGET MOTION ANALYSIS FOR ENHANCED ANTISUBMARINE OPERATIONS	Roxana-Gabriela Damian ¹ , Ovidiu Cristea ² , Marius Bucur ² ¹ Research and Innovation Center for Navy ² Romanian Naval Academy “Mircea cel Batran”
73	REFINING THE COMMON GROUND: FINALIZING STAKEHOLDER REQUIREMENTS FOR THE CUIIS PROJECT	Roxana-Gabriela Damian ¹ , Tiberius Tomoiaga ² , Mihai Diaconu ¹ , Cătălin Frățîlă ¹ , Elena Curca ¹ ¹ Research and Innovation Center for Navy ² Military Equipment and Technologies Research Agency (METRA)
75	USE OF MODELING AND SIMULATION IN SHIP VOYAGE PLANNING	Alexandru Cotorcea ¹ , Iustin Ciugolia ¹ , Florin Nicolae ¹ , Dragoș Simion ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
79	THE THREE SEAS INITIATIVE (I3M). THE CONNECTION STRATEGY BETWEEN THE BLACK SEA AND THE BALTIC SEA, ON RIVERS AND INLAND CANALS	Florin Iordanoaia ¹ ¹ “Education and Staff Training” Association
81	INTEGRATION OF SUSTAINABILITY TOOLS	Mehmet Önal ¹ ¹ Izmir Katip Celebi

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
	INTO SHIPYARD QUALITY MANAGEMENT SYSTEMS	University
82	TOOLS AND METHODS FOR SHIP SYSTEM RELIABILITY MODELING AND MAINTENANCE DECISION MAKING	Dragoș Simion ¹ , Alexandru Cotorcea ² , Florin Nicolae ² , Florin Postolache ² , George Cosmin Partene ¹ ¹ Politehnica University, Bucharest ² Romanian Naval Academy “Mircea cel Batran”
83	EFFECTIVE COMMUNICATION AS A CRITICAL MANAGEMENT AND LEADERSHIP SKILL ONBOARD VESSELS	Maria Ververi ¹ ¹ Lithuanian Maritime Academy
84	ANALYSIS OF CONTAINER HANDLING PROCESSES ON BOARD A CONTAINER SHIP AND THEIR TRANSIT THROUGH A CONVENTIONAL CONTAINER TERMINAL	George-Cosmin Partene ¹ , Sorin Ionescu ¹ , Florin Nicolae ² , Alexandru Cotorcea ² , Dragoș Simion ¹ ¹ Politehnica University, Bucharest ² Romanian Naval Academy “Mircea cel Batran”
98	SOME CONSIDERATIONS ON THE EFFECT OF SQUAT ON INLAND WATER NAVIGATION	Romeo Bosneagu ¹ , Sergiu Lupu ¹ , Sergiu Șerban ¹ , Andra Nedelcu ¹ , Dumitru Corduneanu ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
99	CURRENT MILESTONES IN SHIP TRANSPORT SUSTAINABILITY	Romeo Bosneagu ¹ , Sergiu Lupu ¹ , Coca Carmen Elena ² , Dăneci Pătrău Daniel ³ , Dumitru Corduneanu ¹ ¹ Romanian Naval Academy “Mircea cel Batran”

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
		² Tomis University Constanța, Romania ³ Maritime University Constanța, Romania
100	CHALLENGES, TRENDS AND EVOLUTIONS IN SHIPPING IN THE CONTEXT OF THE DEEPENING RUSSIAN-UKRAINIAN CONFLICT	Dumitru Corduneanu ¹ Romanian Naval Academy “Mircea cel Batran”

WORKSHOP		
MARLANG Project „Linguistic diversity in European Maritime Higher Education Institutions”		
	TITLE	AUTHORS
1	MAR-LANG PROJECT PRESENTATION	Christelle Nicolas ¹ ¹ French Maritime Academy, France
2	CROSSING MARITIME LINGUISTIC BARRIERS - BURSTING THE COMMUNICATION BUBBLE ON A MERCHANT SHIP	Edward Melaert ¹ ¹ French Maritime Academy, France
3	THE IMPACT OF AI (CHAT GPT) ON TEACHING WRITING THE LETTERS OF PROTEST	Vilma Pranckevičiūtė ¹ ¹ Lithuanian Maritime Academy, Lithuania
4	EFFECTIVE COMMUNICATION AS A CRITICAL MANAGEMENT AND LEADERSHIP SKILL ONBOARD VESSELS. FACTORS CONTRIBUTING TO EFFECTIVE	Maria Ververi ¹ ¹ Lithuanian Maritime Academy, Lithuania

WORKSHOP		
	MARLANG Project „ Linguistic diversity in European Maritime Higher Education Institutions”	
	TITLE	AUTHORS
	COMMUNICATION WITHIN MARINE ENGINEERING SECTOR	
5	ESP TEACHERS AND THEIR VITAL ROLE IN CROSSING MARITIME COMMUNICATION BARRIERS	Raluca Apostol-Mateş ¹ , Camelia Alibec ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
6	NAVIGATING MULTILINGUAL WATERS: THE IMPORTANCE OF LANGUAGE LEARNING FOR SEAFARERS	Corina Sandiuc ¹ ¹ Romanian Naval Academy “Mircea cel Batran”

Section E

Friday, May 17th, 2024

Project: Linguistic diversity in European Maritime Higher Education Institutions - MAR-LANG - Erasmus+ Program – KA220-HED: Cooperation partnerships in higher education - Project No: 2022-1-FR01-KA220-HED-00089655

Workshop: “CROSSING MARITIME LINGUISTIC BARRIERS”

EVENT AGENDA

08:30-09:00 – Registration for Sea-Conf and Workshop attendance

09:00-09:30 - Conference opening session (flag rising ceremony)
09:30-10:30 – Sea-Conf Conference plenary session
10:30-11:00 - Coffee break, photo group
11.00-14.00 – Mar-Lang workshop sections, presented as Sea-Conf sections
11:00-11.20 – MAR-LANG PROJECT PRESENTATION
11:20-11.40 – CROSSING MARITIME LINGUISTIC BARRIERS - BURSTING THE COMMUNICATION BUBBLE ON A MERCHANT SHIP
11:40-12.00 – THE IMPACT OF AI (CHAT GPT) ON TEACHING WRITING THE LETTERS OF PROTEST
12.00-12.20 – EFFECTIVE COMMUNICATION AS A CRITICAL MANAGEMENT AND LEADERSHIP SKILL ONBOARD VESSELS. FACTORS CONTRIBUTING TO EFFECTIVE COMMUNICATION WITHIN MARINE ENGINEERING SECTOR
12.20-12.40 – ESP TEACHERS AND THEIR VITAL ROLE IN CROSSING MARITIME COMMUNICATION BARRIERS
12.40-13.00 – NAVIGATING MULTILINGUAL WATERS: THE IMPORTANCE OF LANGUAGE LEARNING FOR SEAFARERS
13.00-14.00 – Discussions – debates, Q&A session – Mentors will participate as guests
14.00 – Closing remarks

Workshop Scientific Board:

Chairman:

Assoc. Prof. Col. Catalin POPA (Romania)

Section Coordinator:

Dr. Corina SANDIUC (Romania)

