

“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"

MEMBERS (in alphabetical order):

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- Nicoleta ACOMI (Romania)
- R S AJIN (India)
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- Beazit ALI (Romania)
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- Liviu STAN (Romania)
- Tomasz SZUBRYCHT (Poland)
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Room LI 356

Chairman: Vasile Dobref

Members: Iancu Ciocioi, Eduard Dragomir,
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 Kaiteer

Mechanical Engineering Section

Room Ep 26

Chairman: Adrian Popa

Members: Marian Ristea, Mihaela Greti Manea,
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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 PASSENGER SHIPS	Ginka Ivanova ¹ , Dencho Bajchev ¹ ¹ Technical University - 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 , Alecu 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

NAVIGATION, TRANSPORT AND MANAGEMENT SECTION		
ID	TITLE	AUTHORS
		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 Frăţilă 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 CASE STUDY	Andra-Teodora Nedelcu ¹ , Constanţa Dinu-Vasile Atodiresel ¹ , Romeo 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-Graţiela 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”

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ID	TITLE	AUTHORS
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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 , Dragoș Simion ¹ , Cosmin Partene ¹ , Andrei Pocora ¹ ¹ Romanian Naval Academy “Mircea cel Batran”
68	CONTRIBUTIONS ON THE USE OF PROBABILITY LAWS AND STATISTICAL TESTS IN THE ANALYSIS OF SHIP MAINTENANCE WORK IN A SHIPYARD	Emil Manea ¹ , Mihaela-Greti 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

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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 INTO SHIPYARD QUALITY MANAGEMENT SYSTEMS	Mehmet Önal ¹ ¹ Izmir Katip Celebi 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

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ID	TITLE	AUTHORS
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” 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 COMMUNICATION WITHIN MARINE ENGINEERING SECTOR	Maria Ververi ¹ ¹ Lithuanian Maritime Academy, Lithuania
5	ESP TEACHERS AND THEIR VITAL ROLE IN CROSSING MARITIME COMMUNICATION BARRIERS	Raluca Apostol-Mateș 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)

Board Members:

Dr. Camelia ALIBEC (Romania);

Dr. Raluca APOSTOL-MATEȘ (Romania);

Christelle NICOLAS (France);

Edward MELAERT (France);

Dr. Maria VERVERI (Lithuania);

Vilma PRANCKEVIČIUTE (Lithuania).

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