

“MIRCEA CEL BATRAN” NAVAL ACADEMY

SEA - CONF 2023
9th INTERNATIONAL CONFERENCE



May 18th – 19th, 2023
Constanta

SEA-CONF 2023 PROGRAMME

Thursday, 18th of May 2023

Arrival of participants

Friday, 19th of May 2023

08.00 – 09.00 Participants registration; distribution of folders with promotional content

09.00 – 10.00 Official opening Sea-Conf 2023:

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

“Ukrainian USV (Uncrewed Surface Vessel) attack on ships of the Black Sea Fleet. Lessons learned”, Sandu-Valentin Mateiu

“Python GUI for Processing, Viewing and Transmitting Data Obtained from a Naval Weather Station”, Elena Grațîela Robe-Voinea, Georgiana-Cătălina Cristea

10.00 – 10.15 Group Photo; Coffee Break

10.15 – 11.15 Visiting the ANMB university campus

11.30 – 14.00 Paper Presentations on Sections:

Section A - Mechanical Engineering, **Room E 122**

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**

Section E - **Workshop 1:** SEAMENTORS Project „SEAFARERS Experiential Knowledge Based MENTORS” KA220 - Cooperation Partnerships in Vocational Education and Training, 2021-1-RO01-KA220-VET-000029622, **Room CP 06**

- **Workshop 2:** 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 CR1**

- **Workshop 3:** MARINTECH PROJECT - “Innovative teaching/learning methods and smart technologies used in oceanography and bathymetry” - Romanian – Norwegian Strategic Cooperation in Maritime Higher Education for enhancement human capital and knowledge base in field of marine intelligent technologies. Project No:

20-COP-0066, **Room L 246**

- **Workshop 4:** FAST Project – Innovative assessments tools and practices for formal education processes for defense and public order educational sector – enhanced digital and online methods and technologies. KA226 – Partnership for Digital Education Readiness, 2020 – 1 – RO01 – KA226 – VET – 095380, **Room LI 356**

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

Saturday, 20th of May 2023

10.00 – 12.00 Visit of Constanta (individually);

12.00 – Departure of participants.

SCIENTIFIC COMMITTEE

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

MEMBERS (in alphabetical order):

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- Nicoleta ACOMI (Romania)
- R S AJIN (India)
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Fundamental and Applied Research, Military, Linguistics and Social Sciences Section Room L120

Chairman: Andrei Băutu

Members: Dan Lascu, Edith Kaiter, Camelia Alibec, Carmen Cojocar

Mechanical Engineering Section - Room E 122

Chairman: Adrian Popa

Members: Daniel Mărășescu, Greti Manea, Marian Ristea

Navigation, Transport and Management Section - Room LP 11

Chairman: Sergiu Șerban

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53	MENTORING SEAFARERS FOR UNDERSTANDING MARITIME RISKS AND SAFETY CULTURE ON BOARD	F. Nicolae ¹ , A. Cotorcea ¹ , D. Simion ¹ , A. Pocora ¹ , N. Dragu ² ¹ "Mircea cel Batran" Naval Academy, Constanța, România ² OMS Belgium, DEME Project
55	APPLICATIONS OF SMART TECHNOLOGIES IN OCEANOGRAPHY AND BATHYMETRY	R. Boșneagu ¹ , D. Coșofreț ^{2*} , R. Avram ² , D. Atodiresei ² , G. Li ³ , C. Wang ³ , M. Zhu ³ , A.. Atodiresei ¹ , A. Nedelcu ² , A. Bautu ¹ , Corduneanu D. ²

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68	UKRAINIAN USV (UNCREWED SURFACE VESSEL) ATTACK ON SHIPS OF THE BLACK SEA FLEET LESSONS LEARNED	P. Burlacu ¹ , S.-V. Mateiu ² ¹ "Mircea cel Batran" Naval Academy ² Captain (N) Retired
73	DEVELOPING A SOFTWARE FOR THE ANALYSIS OF METOC IMPACT ON THE PLANNING PROCESS OF THE MARITIME OPERATIONS	D. Atodiresei ¹ , M. Ichim ¹ , A. Bautu ¹ , A. Toma ¹ , V. Tanase ² ¹ "Mircea cel Batran" Naval Academy ² Maritime Hydrographic Directorate
75	INVESTIGATIONS-BASED RESULTS OF THE HYDROGRAPHIC CONDITIONS WITH SPECIAL REFERENCE TO THE PROTECTED ROMANIAN LITTORAL'S TOURIST SWIMMING AREAS	R. Mateescu ¹ , R. Manu ² , R. Bosneagu ² , E. Vlasceanu ³ , D. Marin ² ¹ National Institute for Marine Research and Development "Grigore Antipa" ² "Mircea cel Batran" Naval Academy
77	STUDY REGARDING THE EXECUTION OF HYDRODYNAMIC MEASUREMENTS IN THE AGIGEA PORT AREA THE BLACK SEA DANUBE CANAL AND POARTA ALBĂ CANAL - MIDIA NĂVODARI	A. T. Nedelcu ¹ , R. Bosneagu ¹ , D. V. Atodiresei ¹ , P. S. Serban ¹ , A. Bautu ¹ , S. Diaconu ² , M. Butnar ² , D. E. Popescu ² , O. Clim ¹ "Mircea cel Batran" Naval Academy ² COREMAR S.A
78	MODELLING OF NAVIGATION AND HYDROMETEOROLOGICAL CONDITIONS IN THE COASTAL AND HARBOUR AREA CONSTANTA - AGIGEA	A. T. Nedelcu, R. Bosneagu, D. V. Atodiresei, A. Pocora, R. Avram, S. Lupu, P. S. Serban, A. Bautu, A. Atodiresei, D. Corduneanu "Mircea cel Batran" Naval Academy

WORKSHOPS		
SEAMENTORS Project „SEAFarers Experiential Knowledge Based MENTORS”		
	TITLE	AUTHORS
1	THE POWER OF MENTORS. METHODS OF POSITIVE INFLUENCE AGAINST THE TRAINEES	F. Nistor ¹ , C. Popa ¹ , A. Bogdanowicz ² , K. Kalinov ³ ¹ Assoc. Prof. Dr. Romanian Naval Academy Mircea cel Batran, Constanta, Romania ² Senior Lecturer PhD, Polish Naval Academy, Department of Marine Engineering, Poland ³ Prof. Dr., Bulgarian Naval Academy “Nikola Vaptsarov”, Bulgaria
2	MENTORING SEAFARERS FOR UNDERSTANDING MARITIME RISKS AND SAFETY CULTURE ON BOARD	F. Nicolae ¹ , A. Cotorcea ¹ , D. Simion ¹ , A. Pocora ¹ , N. Dragu ² ¹ Romanian Naval Academy “Mircea cel Batran”, Romania ² Master/ Captain OMS Belgium, DEME Project
3	THE IMPORTANCE OF MENTORING IN BUILDING THE PROFESSIONAL EXCELLENCE IN MARITIME SECTOR	C. L. Cojocaru ¹ , C. Popa ¹ , F. Nistor ¹ and A. Bogdanowicz ² ¹ Romanian Naval Academy “Mircea cel Batran”, Romania, carmen.cojocaru@anmb.ro ² Senior Lecturer PhD, Polish Naval Academy, Department of Marine Engineering, Poland
4	MENTORING IN HIGHER EDUCATION - OPPORTUNITIES AND THREATS IN THE OPINION OF THE ACADEMIC COMMUNITY	A. Suchocka ¹ , P. Wirkowski ¹ and F. Nistor ² ¹ Polish Naval Academy, Department of Marine Engineering, Poland ² Romanian Naval Academy “Mircea cel Batran”, Romania
5	IMPLEMENTATION OF SHIP VOYAGE PLANNING AND OPTIMIZATION SYSTEMS AS ONE OF THE WAYS OF REDUCING AIR POLLUTION CAUSED BY MARITIME TRANSPORT	Vytautas Dubra ¹ , Rugilė Braslauskaitė ¹ , Vilma Locaitienė ¹ ¹ Lithuanian Maritime Academy, Romania
6	MENTORING OF STUDENTS' PREPARATION FOR WORK ON BOARD OF TANKERS USING DIGITAL TECHNOLOGIES AND SIMULATION OF CARGO LOADING PROCESSES	Egidijus Jokubaitis ¹ , Vilma Locaitiene ¹ , Marijus Jacevicius ¹ ¹ Lithuanian Maritime Academy, Romania
MARLANG Project „Linguistic diversity in European Maritime Higher Education Institutions”		
1	MAR-LANG PROJECT PRESENTATION	Christelle Nicolas French Maritime Academy, France
2	LANGUAGE GLOSSARIES	Edward Melaert French Maritime Academy, France

3	MODELLING OF MARITIME ENGLISH COURSE FOR ETOS	Vilma Prancėvičiūtė Lithuanian Maritime Academy, Lithuania
4	EFFECTIVE COMMUNICATION AS A CRITICAL MANAGEMENT AND LEADERSHIP SKILL ONBOARD VESSELS	Maria Ververi Lithuanian Maritime Academy, Lithuania
5	MULTILINGUAL CREWS AND ONBOARD COMMUNICATION. CREATING CROSS - CULTURAL CONNECTIONS	Raluca Apostol-Mateș, Camelia Alibec “Mircea cel Batran” Naval Academy
6	INSTANCES OF LINGUISTIC CONTACT. THE IMPACT OF FRENCH ON ROMANIAN MARITIME TERMINOLOGY	Corina Sandiuc “Mircea cel Batran” Naval Academy
MARINTECH PROJECT - “Innovative teaching/learning methods and smart technologies used in oceanography and bathymetry”		
1	APPLICATIONS OF SMART TECHNOLOGIES IN OCEANOGRAPHY AND BATHYMETRY	R. Boșneagu ¹ , D. Coșofreț ^{2*} , R. Avram ² , D. Atodiresel ² , G. Li ³ , C. Wang ³ , M. Zhu ³ , A. Atodiresel ¹ , A. Nedelcu ² , A. Bautu ¹ , D. Corduneanu ² ¹ PhD., "Mircea cel Bătrân" Naval Academy, Constanta, Romania ² PhD.Eng., "Mircea cel Bătrân" Naval Academy, Constanta, Romania ³ PhD., Norges teknisk-naturvitenskapelige universitet, Alesund, Norway
2	SURVEY FOR INTERDISCIPLINARY CO-SUPERVISION ON BACHELOR THESIS IN NAUTICAL SCIENCE	Baiheng, Hans-Ingar Johansen Aandahl, Romeo Bosneagu, Martin Lied Sæter, Doru Cosofret, Elena-Rita Avram, Houxiang Zhang and Guoyuan Li
3	USABILITY VERIFICATION OF VIRTUAL-REALITY SIMULATORS FOR MARITIME EDUCATION AND TRAINING	Wu, Baiheng; Oksavik, Arnfinn; Bosneagu, Romeo; Osen, Ottar; Zhang, Houxiang; Li, Guoyuan
4	INVESTIGATIONS-BASED RESULTS OF THE HYDROGRAPHIC CONDITIONS WITH SPECIAL REFERENCE TO THE PROTECTED ROMANIAN LITTORAL'S TOURIST SWIMMING AREAS	Razvan Mateescu ^{*1,3} , Radu Manu ² , Romeo Bosneagu ² , Elena Vlasceanu ¹ , Dragos Marin ¹ ¹ National Institute for Marine Research and Development “Grigore Antipa”, 300 Mamaia Blvd., RO-900581, Constanta, Romania ² “Mircea cel Batran” Naval Academy, 1 Fulgerului Street, RO-900218, Constanta, Romania ³ Department of Mechanical Engineering, Faculty of Engineering, “Dunarea de Jos” University of Galati, 47 Domneasca Street, 800008 Galati, Romania
5	SEASONAL VARIABILITY OF UNDERWATER ACOUSTIC PROPAGATION IN THE NW BLACK SEA	N.C. Sandu Maritime Hydrographic Directorate, Constanta, Romania

6	BLACK SEA. WEATHER EVOLUTION FROM 1950 TO THE PRESENT	Boantă Diana Ștefania, Rădulescu Cristiana-Corina, Mărgărint Dragoș ”Mircea cel Bătrân” Naval Academy
7	DEVELOPMENT AND IMPLEMENTATION OF A NEW TOURIST PORT ON THE BLACK SEA	Rădulescu Cristiana-Corina, Boantă Diana Ștefania, Mărgărint Dragoș ”Mircea cel Bătrân” Naval Academy
8	TYPES OF AUTONOMOUS UNDERWATER VEHICLES (AUVS) USED IN OCEANOGRAPHIC AND HYDROGRAPHIC RESEARCHES	Mărgărint Dragoș, Boantă Diana Ștefania, Rădulescu Cristiana-Corina ”Mircea cel Bătrân” Naval Academy
9	TEACHING ESP THROUGH INTERCOMPREHENSION-TERMS RELATED TO OCEANOGRAPHY	Raluca Apostol-Mateș ¹ , Romeo Boșneagu ¹ , ¹ ”Mircea cel Bătrân” Naval Academy
10	THE ROLE OF BALLAST WATER TREATMENT SYSTEM CHLORINATION TYPE- PURIMAR IN ROMANIAN SHORE PROXIMITY	Adrian Stoianovici ”Mircea cel Bătrân” Naval Academy
FAST Project „ Innovative assessments tools and practices for formal education processes for defense and public order educational sector – enhanced digital and online methods and technologies.”		
1	ONLINE ASSESSMENT: CONCEPT AND APPLICATIONS	V. Dobref ¹ , F. Deliu ¹ , F. Postolache ¹ , P. Vasiliu ¹ , M. Bucur ¹ ¹ ”Mircea cel Batran” Naval Academy, Constanta, Romania
2	A JOINT AUTHENTICATION METHOD WITHIN E-LEARNING PLATFORMS BASED ON SAAS	F. Postolache ¹ , F. Deliu ¹ , V. Dobref ¹ ¹ ”Mircea cel Batran” Naval Academy, Constanta, Romania
3	EFFECTIVENESS METHODS AND TECHNOLOGIES IN ONLINE EVALUATION PROCESSES	F. Deliu ¹ , F. Postolache ¹ , V. Dobref ¹ , C. Popa ¹ ¹ ”Mircea cel Batran” Naval Academy, Constanta, Romania
4	ADVANCING ASSESSMENT IN FORMAL DEFENCE AND PUBLIC ORDER EDUCATION: INTEGRATING DIGITAL PRACTICES AND TECHNOLOGIES	F. Deliu ¹ , F. Postolache ¹ , V. Dobref ¹ , C. Popa ¹ ¹ ”Mircea cel Batran” Naval Academy, Constanta, Romania

Section E

- Workshop 1: SEAMENTORS Project „SEAfarrers Experiential Knowledge Based MENTORS” KA220 - Cooperation Partnerships in Vocational Education and Training, 2021-1-RO01-KA220-VET-000029622

Friday, 19th of May 2023

08:30-09:00 – Registration for SeaConf and Workshop attendance
09:00-09:30 - Conference opening session (flag rising ceremony)
09:30-10:30 - SeaConf Conference plenary session
10:30-11:00 - coffee break, photo group
11.00-14.00 – SeaMentors workshop sections, presented as SeaConf sections
 11:00-11.20 – PAPER 1
 11:20-11.40 – PAPER 2
 11:40-12.00 – PAPER 3
 12.00-12.20 – PAPER 4
 12.20-13.40 – PAPER 5
 12.40-13.00 – PAPER 6
13.00-14.00 – Discussions – debates, Q&A session – Mentors will participate as guests
14.00 – Closing remarks

Workshop Scientific Board:

Chairman:

Captain (ROU Navy) Associate Professor Filip NISTOR, PhD (Romania);

Members:

Professor Florin Marius NICOLAE, PhD (Romania);
Captain (BG Navy) Professor Kalin KALINOV, PhD (Bulgaria);
Captain (ROU Navy) Associate Professor Filip NISTOR, PhD (Romania);
Colonel Associate Professor Catalin POPA, PhD (Romania);
Lt. Commander Dr Artur BOGDANOWICZ (Poland);
Deputy Director Rima MICKIENE (Lithuania).

- Workshop 2: 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

Friday, May 19th, 2023

08:30-09:00 – Registration for SeaConf and Workshop attendance
09:00-09:30 - Conference opening session (flag rising ceremony)
09:30-10:30 - SeaConf Conference plenary session
10:30-11:00 - Coffee break, photo group
11.00-14.00 – MarLang workshop sections, presented as SeaConf sections
 11:00-11.20 – PAPER 1
 11:20-11.40 – PAPER 2
 11:40-12.00 – PAPER 3
 12.00-12.20 – PAPER 4

12.20-12.40 – PAPER 5

12.40-13.00 – PAPER 6

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);

Franck PETITJEANNOT (France);

Maria VERVERI (Lithuania);

Vilma PRANCKEVIČIUTE (Lithuania).

- Workshop 3: MARINTECH PROJECT - “Innovative teaching/learning methods and smart technologies used in oceanography and bathymetry” - Romanian - Norwegian Strategic Cooperation in Maritime Higher Education for enhancement human capital and knowledge base in field of marine intelligent technologies. Project No: 20-COP-0066

Friday, May 19th, 2023

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

09:00-09:30 - Conference opening session (flag rising ceremony)

09:30-10:30 - SeaConf Conference plenary session

10:30-11:00 - Coffee break, photo group

11.00-14.00 - Marintech workshop section, presented as SeaConf sections

11.00-11.15 – PAPER 1

11.15-11.30 – PAPER 2

11.30-11.40 – PAPER 3

11.40-11.50 – PAPER 4

11.50-12.00 – PAPER 5

12.00-12.10 – PAPER 6

12.10-12.20 – PAPER 7

12.20-12.30 – PAPER 8

12.30-12.40 – PAPER 9

12.40-12.50 – PAPER 10

12.50-13.00 – PAPER 11

13.00-14.00 – *Discussions – debates, Q&A session* – Marintech will participate as guests

14.00 – Closing remarks

Workshop Scientific Board:

Chairman:

Captain (RO Navy) Associate Professor Dinu ATODIRESEI, PhD Eng. (Romania)

Members:

Professor Gouyuan LI, PhD (Norway);
Associate Professor Romeo BOȘNEAGU, PhD (Romania);
Associate Professor Rita AVRAM, PhD Eng. (Romania);
Lecturer Andra NEDELCU, PhD Eng. (Romania);
Lecturer Raluca APOSTOL-MATEȘ, PhD (Romania);
Lecturer Dumitru CORDUNEANU, PhD Eng. (Romania);
Assistant Professor Doru COȘOFREȚ, PhD Eng. (Romania);
Dr Maria Emanuela MIHAILOV (Romania).

- Workshop 4: FAST Project „ Innovative assessments tools and practices for formal education processes for defence and public order educational sector – enhanced digital and online methods and technologies.” KA226 - Partnerships for Digital Education Readiness, 2020-1-RO01-KA226-VET-095380

Friday, May 19th, 2023

08:30-09:00 – Registration for SeaConf and FAST workshop attendance
09:00-09:30 - Conference opening session (flag rising ceremony)
09:30-10:30 - SeaConf Conference plenary session
10:30-11:00 - coffee break, photo group
11.00-14.00 – FAST workshop sections, presented as SeaConf sections
 11:00-11.30 – paperwork presentations 1st session
 11:30-12.00 – paperwork presentations 2nd session
 12:00-12.30 – paperwork presentations 3rd session
 12.30-13.00 – paperwork presentations 4th session
 13.00-14.00 – Discussions – debates, Q&A session – FAST will participate as guests
 14.00 – Closing remarks

Workshop Scientific Board:**Chairman:**

Professor Vasile DOBREF PhD (Romania)

Members:

Commander (ROU Navy) Associate Professor Florențiu DELIU, PhD (Romania);
Colonel Associate Professor Catalin POPA, PhD (Romania)
Senior Lecturer Florin POSTOLACHE, PhD (Romania);
Senior Lecturer Paul VASILIU, PhD (Romania).

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.