

PROGRAM

IV MARITIME AND PORT LOGISTICS BAR CONFERENCE

12th – 14th December 2024
Bar, Montenegro

MHCL 2024 Conference, XXV International Conference
on Material Handling, Constructions and Logistics

PROGRAM OVERVIEW (SCHEDULE AND VENUES)

The participants are recommended to make registration on time.

All Sessions will be organized in **Hotel Princess Conference Room - HPCR**.

Day 1 (11th December 2024)

Time	Event	Venue
18:30 – 20:00	Welcome Reception	Le Petit Macaron, Bar

Day 2 (12th December 2024)

Time	Event	Venue
10:00 – 11:00	Registration	Hotel Princess Lobby
11:00 – 11:30	Opening Ceremony	Hotel Princess Conference Room (HPCR)
11:30 – 12:00	Session 1	
12:00 – 13:30	Session 2	
13:30 – 14:30	Lunch	Hotel Princess Restaurant
14:30 – 16:00	Session 3	HPCR
16:00 – 16:30	Coffee break	Hotel Princess Lobby
16:30 – 18:30	Session 4	HPCR
19:00 – 21:00	Dinner	XXL Restaurant on the Great Sand Beach

Day 3 (13th December 2024)

Time	Event	Venue
08:30 – 09:00	Registration	Hotel Princess Lobby
09:00 – 11:00	Session 5	HPCR
11:00 – 11:30	Coffee break	Hotel Princess Lobby
11:30 – 13:30	Session 6	HPCR
13:30 – 14:15	Lunch	Hotel Princess Restaurant
14:15 – 15:45	Session 7	HPCR
15:45 – 16:15	Closing Ceremony	HPCR
19:00 – 22:00	Gala Dinner	XXL Restaurant on the Great Sand Beach

Day 4 (14th December 2024)

Time	Event	Venue
10:00 – 12:00	- Short tour across Marina Bar - Short visit to Old town of Bar	AD Marina Bar Old town of Bar

Opening Ceremony Program (12th December 2024, 11:00 – 11:30)

Opening Ceremony

Hotel Princess Conference Room

Topic: Opening Ceremony

Chairs: Prof. Dr. Branislav Dragović and Prof. Dr. Nikitas Nikitakos

- Short speeches by Prof. Dr. Branislav Dragović
- Short speech by Prof. Dr. Nikitas Nikitakos, Aegean University
- Short speech by Prof. Dr. Nenad Zrnić, University of Belgrade
- Short speech by **MSc Tanja Spičanović, Deputy Mayor of the Bar Municipality**
- Short speech by **representative of the Port of Bar and AD Marina Bar**
- Short speech by **Mr. Filip Radulović, Minister of the Ministry of Maritime Affairs in the Montenegrin Government**

Session 1 Program (12th December 2024, 11:30 – 12:00)

Session 1

Hotel Princess Conference Room

Topic: New Trends in Maritime and Port Logistics

Chair: Prof. Dr. Nikola Momčilović

- **Panellists** - Prof Dr. **Harilaos Psaraftis**, Technical University of Denmark; Prof. Dr. **Wei Yim Yap**, Singapore University of Social Sciences, Prof. Dr. **Nenad Zrnić**, University of Belgrade and Prof. Dr. **Nikitas Nikitakos**, University of Aegean.
- **Discussions, comments and questions**

Session 2 Program (12th December 2024, 12:00 – 13:30)

Session 2

Hotel Princess Conference Room

Topic: Keynote presentations by Keynote Speakers

Chair: Prof. Dr. Nenad Zrnić

1. A keynote presentation I: **THE ROAD TO NET ZERO: STATUS AND PROSPECTS**, **Prof Dr. Harilaos Psaraftis**, Technical University of Denmark, Denmark.
 2. A keynote presentation II: **SHIPPING 4.0**, **Prof. Dr. Nikitas Nikitakos**, Aegean University.
 3. A keynote presentation III: **INNOVATIVE SCHEDULING TECHNIQUES FOR AUTOMATED CONTAINER TERMINALS: STRATEGIC BATCH GROUPING**, **Prof. Dr. Jasmine Lam**, Technical University of Denmark, Denmark.
 4. Invited lecture I: **AI-ENHANCED SMART PORT IN KOREA**, **Prof. Dr. Hyerim Bae**, Pusan National University
- **Discussions, comments and questions**

Session 3 Program (12th December 2024, 14:30 – 16:00)

Session 3

Hotel Princess Conference Room

Topic: Presentations by Keynote speakers under 45-year old

Chair: Prof. Dr. Nikitas Nikitakos

1. A keynote presentation I: **CHALLENGES AND OPPORTUNITIES IN THE DECARBONISATION OF INTERNATIONAL SHIPPING**, Assist. Prof. Dr. **Thalis Zis, Cyprus University of Technology**.
2. A keynote presentation II: **THE ROLES OF CFD AND WIND TUNNEL TESTING IN ADVANCING WIND-ASSISTED SHIP PROPULSION**, Prof. Dr. **Ognjen Peković, University of Belgrade**
3. A keynote presentation III: **STRUCTURAL SAFETY OF BULK CARRIERS: AN ULTIMATE STRENGTH ANALYSIS**, Prof. Dr. **Nikola Momčilović, University of Belgrade**
4. A keynote presentation IV: **A DIFFUSED MEMETIC OPTIMIZER FOR THE BERTH SCHEDULING PROBLEM IN THE WAKE OF DISRUPTIONS**, Prof. **Dr. Maxim Dulebenets, FAMU-FSU College of Engineering**

- Discussions, comments and questions

Session 4 Program (12th December 2024, 16:30 – 18:30)

Session 4

Hotel Princess Conference Room left side of the main entrance

Topic: Maritime Industry Session

Chairs: Dr. Michael Boviatsis and Prof. Dr. Branislav Dragović

1. **PORT OF THE BAR PRESENTATION** entitled **Port of Bar JSC – CURRENT CAPACITY/DEVELOPMENT PLANS** by Port of Bar representative.
2. **AD MARINA BAR PRESENTATION** by **Mr. Danko Mirković, CEO of the AD Marina Bar, Montenegro**.
3. **BARSKA PLOVIDBA JSC PRESENTATION** by Barska Plovidba JSC representative
4. **Public Enterprise for Coastal Zone Management of Montenegro PRESENTATION** by MSc Marija Bajković.
5. **LIMIT PLUS PRESENTATION** by **Thomas Gozdecky, Director, Slovenia**
6. **INNOVATION CENTRE (FACULTY OF MECHANICAL ENGINEERING, BELGRADE UNIVERSITY) PRESENTATION** by **Prof. Dr. Nenad Zrnić, Director**.

Topic: Maritime and Port Logistics I

Chair: Dr. Giannis Tsoulfas, Associate Professor

1. **TOWARDS RESILIENT MARITIME SUPPLY CHAINS: THE CRITICAL ROLE OF PORT OPERATIONS** by **Dr. Giannis Tsoulfas, Associate Professor**
2. **ENHANCING THE COMPETITIVENESS OF SHORT SEA SHIPPING THROUGH JUST-IN-TIME ARRIVALS** by **Assist. Prof. Vangelis Tsioumas**
3. **THE ROLE OF AUTOMATION AND ROBOTICS IN MINIMIZING VESSEL AND PORT ACCIDENTS** by **Dr. Michael Boviatsis**

- Discussions, comments and questions

Session 5 Program (13th December 2024, 9:00 – 11:00)

Session 5

Hotel Princess Conference Room

Topic: Maritime and Port Logistics II

Chair: **Assist. Prof. Dr. Thalys Zis**

1. A keynote presentation V: EXPLORING VESSEL RECOVERY STRATEGIES IN LINER SHIPPING: A DATA-DRIVEN FRAMEWORK FOR IDENTIFYING PORT-SKIPPING BEHAVIOR by **Prof. Dr. Dong Yang**
2. Invited lecture II: THE RED SEA CRISIS AND DISRUPTION TO SHIPPING NETWORKS AND PORTS: CASE FOR THE ASIA-EUROPE AND ASIA-MEDITERRANEAN CONTAINER TRADE ROUTES by **Prof. Dr. Yap Wei Yim**
4. THE IMPACT OF BEHAVIORAL FACTORS ON SHIP INVESTMENT DECISIONS by **Assist. Prof. Vangelis Tsioumas**
3. ASSESSING THE IMPACT OF GEOPOLITICAL RISK ON REGIONAL MARITIME ACTIVITY: EVIDENCE FROM THE RUSSO-UKRAINIAN WAR by **Dimitris Georgoulas, PhD student**
4. THE ECONOMIC VALUE AND ENVIRONMENTAL BENEFITS OF PREDICTING SHIP ARRIVAL TIME by **Assist. Prof. Dr. Thalys Zis**
5. LEGAL ASPECTS OF COLD IRONING by **Dr. Michael Boviatsis**
6. SMART PORT TECHNOLOGIES FOR SUSTAINABLE SHIPPING by **Assist. Prof. Dr. Peter Stavroulakis**

- Discussions, comments and questions

Session 6 Program (13th December 2024, 11:30 – 13:30)

Session 6

Hotel Princess Conference Room

Topic: Maritime and Port Logistics III

Chair: **Prof. Dr. Ryuichi Shibasaki**

1. Invited lecture III: ROBOTICS AS A BASIC TECHNOLOGY OF INDUSTRY 4.0: REVIEW OF THE APPLICATION OF SERVICE ROBOTS IN PORT LOGISTICS by **Prof. Dr. Isak Karabegović**
2. DEVELOPMENT OF A MULTIPLE-USE OF SPACE AND MULTI-USE PLATFORM FOR ISLAND COMMUNITIES AND REMOTE AREAS by **Prof. Dr. Nikitas Nikitakos**
3. A MULTI-DATABASE APPROACH TO STUDY THE CONTAINER TERMINAL OPERATIONS RESEARCH by **Prof. Dr. Branislav Dragovic**
4. EXAMINING THE RELATIONSHIP BETWEEN RESILIENT SUPPLY CHAINS AND ESG PRACTICES IN MARITIME SUPPLY CHAINS by **Dr. Giannis Tsoulfas, Associate Professor**
5. CHARTING A COURSE TOWARDS SUSTAINABLE SHIPPING: A FOCUS ON ENERGY EFFICIENCY AND TECHNOLOGICAL INNOVATION by **Dr. Evanthia Kostidi and Prof. Dr. Dimitrios Lyridis**
6. IMPLEMENTATION OF ESG PRINCIPLES IN VOYAGE AND TIME CHARTER PARTIES: A MARITIME LAW PERSPECTIVE by **Dr. Michael Boviatsis**

- Discussions, comments and questions

Session 7 Program (13th December 2024, 14:15 – 15:45)

Session 7

Hotel Princess Conference Room left side of the main entrance

Chair: Assist. Prof. Vangelis Tsioumas

Topic: Keynote presentation by a Keynote Speaker

1. **A KEYNOTE PRESENTATION IV: GLOBAL LOGISTICS INTERMODAL NETWORK SIMULATION MODELLING AND ITS APPLICATION TO THE EURASIAN CONTINENT** by **Prof. Dr. Ryuichi Shibasaki**

- Discussions, comments and questions

Topic: Maritime and Port Logistics IV

1. **THE ROLE OF MARITIME CLUSTERS IN NATIONAL AND REGIONAL ENTERPRISES** by **Vasilis Korkidis, PhD student**
2. **BLOCKCHAIN IMPLEMENTATION IN MARINE ALTERNATIVE FUEL SUPPLY CHAIN MANAGEMENT** by **Dr. Evanthia Kostidi and Prof. Dr. Nikitas Nikitakos**
3. **AN INSIGHT INTO THE SEAPORT LITERATURE BEFORE THE 2000s** by **Prof. Dr. Branislav Dragovic**
4. **AN PLANNING APPROACH OF SEAPORT AUTOMOBILE TERMINAL OPERATIONS** by **MSc Mauro Petranovic**
5. **STRUCTURE AND APPLICATION OF LOGISTICS INFORMATION SYSTEMS** by **Prof. Dr. Ivica Ristic**
6. **RENEWABLE ENERGIES IN SHIPS** by **Prof. Dr. Nikitas Nikitakos**
7. **AN INSIGHT INTO A WIND LOAD ANALYSIS ON A QUAY CRANE** by **Andro Dragovic, PhD student**
8. **SMART SPECIALIZATION A DEVELOPMENT OPPORTUNITY** by **Dr. Nina Radulović**, attorney, smart specialization expert

- Discussions, comments and questions

Closing Ceremony Program (13th December 2024, 15:45 – 16:15)

Closing Ceremony

Hotel Princess Conference Room

Topic: Closing Ceremony

Chairs: Prof. Dr. Branislav Dragović, Prof. Dr. Nenad Zrnić and Prof. Dr. Gang Chen

- Roundtable entitled **A WAY AHEAD WITH REGARDS TO MARITIME AND PORT LOGISTICS**

Organizer Prof. Dr. Branislav Dragović and Dr. Deda Đelović

Panellists

- Prof. Dr. Nenad Zrnić
- Prof. Dr. Nikitas Nikitakos
- Prof. Dr. Ryuichi Shibasaki
- Dr. Giannis Tsoulfas, Associate Professor

- Short speech by Prof. Dr. Branislav Dragović

- Short speech by Prof. Dr. Nenad Zrnić, Serbia

- Short speech by Prof. Dr. Gang Chen, China and Denmark

Presentation Technique

All papers and presentations must be presented in English (on live or via Zoom platform).

No simultaneous translation will be provided.

Beamer for electronic presentation (PowerPoint or similar tools) with a connected PC is available in the conference rooms.

We suggest copying your files to our computer in the conference room before the session starts.

Zoom as a conferencing platform will be used for each Bar Conference Session.

The links for the Bar Conference Sessions will be available on time via the Bar Conference web site or the links will be distributed by e-mail.



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IV MARITIME AND PORT LOGISTICS PROGRAM BAR CONFERENCE

Organizers:



UNIVERSITY OF
BELGRADE
FACULTY OF MECHANICAL
ENGINEERING



TECHNISCHE
UNIVERSITÄT
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Vienna University of Technology

Co-organizers and Supporters:

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