

MHCL 2022

<http://www.mhcl.info>

XXIV International Conference on Material Handling, Constructions and Logistics September 21st – 23rd & December 14th – 16th, 2022

Department of Material Handling, Constructions and Logistics, Faculty of Mechanical Engineering, University of Belgrade, Serbia together with Institute for Engineering Design and Logistics Engineering Vienna University of Technology (TU Wien), Austria

CALL FOR PAPERS – Special Session MARITIME AND PORT LOGISTICS

**Time: September 21st – 23rd, 2022, Belgrade (Serbia), Physical attending
December 14th – 16th, 2022, Bar (Montenegro), Hybrid Conference**

Theme: *The Time Factor in Maritime and Port Logistics*

MHCL 2022 is organized by the Department of Material Handling, Constructions and Logistics, Faculty of Mechanical Engineering, University of Belgrade, Serbia together with Engineering Design and Logistics Engineering, Vienna University of Technology (TU Wien), Austria. It will be held in Belgrade (Serbia) from 21st to 23rd September 2022. For further information, please visit the conference website <http://www.mhcl.info>

The area of MHCL is gaining a new momentum at the beginning of 21st century. Modern handling and logistics systems and machinery employ today advanced technologies that require deep interdisciplinary expertise for successful implementation. The conference will host a variety of contributed and invited plenary papers.

Since 2009, MHCL Conference has been organizing a **Special Session E: *Maritime and Port Logistics (MPL)***, which plays a vital role in the global transportation systems. The first Special Issue focuses on MPL has been published in the *Journal of Mechanical Engineering* (SV-JME, 59(9), 2013), providing a selection of 7 papers, among 13 papers that were presented during MHCL 2012 (the Belgrade conference). The Second Special Issue relates on MPL was published in the *Maritime Business Review* (MABR, 5(1), 2020), providing a selection of 6 papers, among 42 papers that have been presented during MHCL 2019 (the Bar conference and Wien conference). The Proceedings of the MHCL 2019 contains 42 papers of the Special Session: *Maritime and Port Logistics* (the Bar conference and Wien conference). Since 2017 the Special Session E: *Maritime and Port Logistics* has been organized as the First Part of the MPL on MHCL 2017 in Belgrade (the Belgrade conference) and as the Second Part of the MPL on MHCL 2017 in Bar (Montenegro, 16th – 18th November 2017, the Bar conference). In the same way, the Special Session E: *MPL* has been organized as the First Part of the MPL on MHCL 2019 in Bar, Montenegro (the Bar conference) and as the Second Part of the MPL on MHCL 2019 in Wien, Austria (the Wien conference).

This year the MPL special session, with the theme of *The Time Factor in Maritime and Port Logistics*, will be organized as two parts again:

1. Belgrade (Serbia) from **21st to 23rd September 2022, The First Part of the MPL - Physical attending**, and
2. Bar (Montenegro) from **14th to 16th December 2022, The Second Part of the MPL - Hybrid Conference**.

Call for Papers

On behalf of the Organizing Committee of the MHCL 2022, we are happy to invite you to send us a paper for the **First Part** and the **Second Part** of the MPL Special Session.

1) Papers from the First Part of the MPL (21st to 23rd September 2022, Belgrade) will be printed as integral part of the Proceedings of MHCL 2022 as hard copy and on CD-ROM in electronic form. Selected papers duly presented during First Part of the MPL (about 5 papers, requirement for extended version of the paper), will be further screened and after peer review, will be published in Special issues of the following international journals:

- **FME Transactions (indexed by SCOPUS)**
<http://www.mas.bg.ac.rs/istrazivanje/fme/start>
- **Journal of Applied Engineering Science (indexed by SCOPUS)**
<http://www.scimagojr.com/journalsearch.php?q=4100151613&tip=sid>

2) Papers from the Second Part of the MPL (14th to 16th December 2019, Bar, Montenegro) will be printed in separate Proceedings of MHCL 2022 as hard copy and on CD-ROM in electronic form. Selected papers duly presented during Conference (about 7 papers, requirement for extended version of the paper), will be further screened and after peer review, will be published in issues of the following international journals:

- **Maritime Business Review - Special Issue: *The Time Factor in Maritime and Port Logistics***, Guest Editors: Branislav Dragović, Gang Chen and Stratos Papadimitriou – CFP to be appear soon on <https://www.emeraldgrouppublishing.com/journal/mabr>
The special issue is live on ScholarOne and is ready to receive submissions from 18th July 2022
- **Cleaner Logistics and Supply Chain - Special Issue: Digitalization for Sustainable Logistics & Supply Chain**, Guest Editors: Gang Chen, Devika Kannan, Zou Guangrong and Mohammad Marufuzzaman
<https://www.sciencedirect.com/journal/cleaner-logistics-and-supply-chain/about/forthcoming-special-issues>

Papers must be submitted in English language only. The final paper must be camera-ready format in Word according to the *Conference Paper Template*.

We are looking forward to receiving your contributions covering any theoretical or practical aspect of *Maritime and Port Logistics*, and looking forward to seeing you the first time in **Belgrade (Serbia)** and the second time in **Bar (Montenegro)** this year!

Topics

Potential topics include, but are not limited to:

- Real-time Control of Maritime and Port Logistics Activities
- The Time Factor in Maritime Transport Services
- A Time-based Policy for Empty Container Management
- Scheduling in Maritime and Port Logistics
- Ship Scheduling and Network Design in Maritime Transport
- Optimization Modeling and Simulation of Ships Time in Port
- Forecasting Techniques in Maritime and Port Logistics
- The Recent Trends in Port Connectivity
- Analytics in Maritime and Port Logistics
- Use Big Data in Maritime and Port Logistics
- Modelling and Simulation in Maritime and Port Logistics
- Technologies and Research in the Container Terminals
- Port Automation, Electrification and Digitalization
- Competition and Cooperation in Maritime and Port Logistics
- Data Science and IT-technologies in Maritime and Port Logistics
- Environmental Issues in Maritime and Port Logistics
- SMART Technologies in Maritime and Port Logistics
- Blockchain Technology for Maritime and Port Logistics Capability
- Industry 4.0 in Maritime and Port Logistics
- Smart and Sustainable Maritime and Port Logistics Systems

Key dates for the First Part of the MPL in Belgrade, Serbia on 21st – 23rd September 2022

August, 22nd 2022 Submission of camera ready papers according to attached Template **directly on the following email address** branod1809@gmail.com

August, 30th 2022 Notification of full paper acceptance (an email message will be sent to authors)

Key dates for the Second Part of the MPL in Bar, Montenegro on 14th - 26th December 2022

November 21st 2022 Submission of camera ready papers according to attached Template **directly on the following email address** branod1809@gmail.com

November 27th 2022 Notification of full paper acceptance (an email message will be sent to authors)

Special Session organizers

Prof. Dr. Branislav Dragović, Maritime Faculty Kotor, University of Montenegro (Email: branod1809@gmail.com)

Prof. Dr. Gang Chen, World Maritime University, Shanghai Maritime University, China (E-mail: gc@wmu.se)

Prof. Dr. Stratos Papadimitriou, Department of Maritime Studies, University of Piraeus (Email: stratos@unipi.gr)

Some Relevant Information:

- Please contact us directly when you need invitation letter for visa application.
- We will also organize some local tours for you and your family, please find below some photos of beautiful Montenegro.
- The four aforementioned special issues will be open for selected papers (about 15 papers, required for extended version). We invite you to submit papers to this session. The papers should be submitted to the email address branod1809@gmail.com. We look forward to seeing you in Belgrade and Bar!

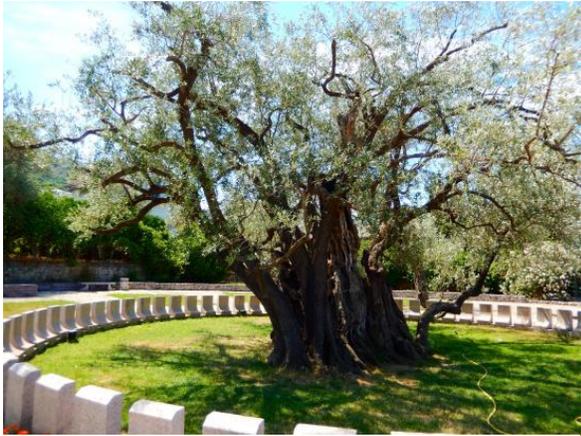
About Montenegro

Montenegro is a country in Southeastern Europe on the Adriatic Sea. It borders Bosnia and Herzegovina to the north; Serbia to the east, Albania to the south and Croatia to the west. Montenegro has an area of 13,812 square kilometres and a population of 678,901. Its capital Podgorica is one of the twenty-three municipalities in the country. Cetinje is designated as the Old Royal Capital.

The country's name derives from Venetian and translates to "Black Mountain", deriving from the appearance of Mount Lovćen when covered in dense evergreen forests. The native name Crna Gora came to denote the majority of contemporary Montenegro only in the 15th century.



Skadar Lake close to Bar



Oldest Olive Tree in Europe



Old City of Bar, very near to downtown



The City of Bar (View from the Sea)



**Some of the beautiful natural sandy beaches in Bar and surrounding Bar
(Summer season since 1st May to 1st October)**



Orthodox Church of Saint Jovan Vladimir in Bar, Montenegro



Catholic Church of St. Peter the Apostle, Bar, Montenegro



Mosque in Bar, Montenegro



The Bay of Boka Kotorska with shore side around 100 km long - 50 km away from Bar



The City of Ulcinj – Tourist Resort (20 km away from Bar - south)



The City of Budva – Leading Tourist Resort (20 km away from Bar - north)