



中国航海学会

CHINA INSTITUTE OF NAVIGATION



Nov. 30, 2023

From: China Institute of Navigation

To: Experts and scholars from all over the world

Call for papers -- IAIN World Congress 2024

IAIN World Congress 2024, hosted by International Association of Institutes of Navigation (IAIN) and organized by China Institute of Navigation (CIN), will be held in Beijing in the October 29-30, 2024. The theme of congress is “Expanding Navigation Application; Empowering the Future of Humanity”. Now we call for papers from all over the world. Details are as follows:

I. Paper Topics

1. Global Navigation Satellite Systems and Augmentation Systems
2. Precise Positioning (PPP, RTK, etc.)
3. GNSS Vulnerabilities and Resilient PNT
4. Precise Timing
5. GNSS Signal Processing Techniques
6. Navigation Terminal Techniques
7. RADAR Technology and Navigation
8. Navigation Sensors
9. MASS and PNT
10. Multi-source Fusion Positioning and Navigation
11. Specific Fields Navigation application (Marine, Aviation, Rail, Fleet,

- Agriculture, etc.)
12. Specific Scenario Navigation application (Underwater, Space,Polar region, Urban, Indoor, etc.)
 13. Intelligent Transport System
 14. Green Navigation
 15. Navigation Data Application
 16. New PNT system and technology
 17. Policy, Standard and Intellectual Property in Navigation
 18. Future Navigation
 19. Visual Navigation and Augmented Reality
 20. Marine Meteorological Navigation Technology and Applications
 21. Maneuvering and Control of Craft (Collision Avoidance, Maneuvering in Ports and Harbors, Route Planning, Route Monitoring, etc.)
 22. Harbor Navigation (Pilotage, Dead Reckoning, Precise berthing and unberthing, etc.)
 23. Port Organization and Logistics
 24. 24. Marine Geodesy and Cartography (Simultaneous Localization and Mapping, etc.)
 25. Application of Remote Sensing Technology in Navigation (Radio monitoring, Marine oil drift monitoring, Hydrographic monitoring, etc.)
 26. Marine Simulation and Modeling
 27. Vessel Traffic System
 28. A to N Technology and Applications
 29. Maritime Search and Rescue (Emergency Communication, Search and Rescue Satellite Aided Tracking System, etc.)

II. Requirements

1. Only unpublished English papers will be considered. The authors of those selected academic papers will give speeches in English.
2. All papers shall be well-organized without any problems, such as academic misconduct and duplicate submission.
3. Abstract (200-500 words) and full text of papers (3,000-6,000 words) shall be separately submitted on time. Please see the Annex for format requirements.

III. Important Dates

Deadline of abstract submission: May 20, 2024

Announcement of abstract acceptance: June 20, 2024

Deadline of full paper submission: July 10, 2024

Announcement of paper acceptance: Aug. 10, 2024

Deadline of early registration: Sept. 30, 2024

Deadline of registration: Oct.15, 2024

Congress: Oct.28-30, 2024

IV. Paper Submission

Please register via the Website of IAIN World Congress 2024 before the submission. The registered can log in for paper submission by:

English website: <https://iain2024.cinnet.cn>

Chinese website: <https://iain2024zh-hans.cinnet.cn>

V. Paper Collection and Publication

The shortlisted papers would be collected in Proceedings of the IAIN

World Congress 2024. The papers would also be recommended to the famous international/domestic journals and their supplements, which are included in EI for publication.

VI. Contact Information

WANG Yan: 86-010-65299872, iain2024@cinnet.cn

Thank you very much for your great support to IAIN World Congress 2024!



ZHANG Baochen

Senior Vice President of IAIN

Executive President of China Institute of Navigation (CIN)

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The Title of the Manuscript of the IAIN World Congress 2024

Zhang San* and Li Si**

*Dalian Maritime University, Dalian, Liaoning, 116087 China
**Makuhari Maritime and Ocean University, Chiba, 261-8550 Japan

(Family name in a capital letter)

Key words: navigation, science, technology, education, safety, maritime
(others are 10point)

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ABSTRACT

IAIN World Congress 2024, hosted by International Association of Institutes of Navigation (IAIN) and organized by China Institute of Navigation (CIN), will be held in Beijing in the October 29-30, 2024. The theme of congress is "Expanding Navigation Application; Empowering the Future of Humanity".

The length of the ABSTRACT should be 200-500 words.

1. Introduction

IAIN is a non-profit, non-governmental organization established 1975 to promote the development and academic exchange of navigation and related technologies in the fields of aviation, navigation, spaceflight and land. China joined the organization in February 1988, with CIN as a member to participate in its activities.

2. Target and Goal of Maritime Science and Technology

(Headings are bold.)

2.1 Target of Maritime Science and Technology

The organizing committee is willing to share the target of IAIN World Congress 2024 with any participants. The committee would like to have any requests and questions from you.

2.2 Goal of Maritime Science and Technology

The papers are kindly requested to address any of issues identified as the goals and activities of the working groups.

2.2.1 WG-I

This group aims at navigation and maritime science, technology, and education to the safety and the environmental protection at sea.

2.2.2 WG-II

This group aims at the establishment of the safety management system at sea.

3. Results and Discussions

The results obtained here are quite important for the navigation and maritime science, technology, education, and so on.

References *(in alphabetical order of the family name of the first author.)*

- (1) Kim Gwangyang (2000): What is the Goal of IAIN World Congress 2024, *Int. J. Navigation and Port Research* 2(1), 120- 130.
- (2) Korea Institute (2004): The Maritime Safety Science, Technology, and Education Group of TECHNO-OCEAN, *Proceedings, TECHNO-OCEAN2000*, 123- 130.
- (3) Navigation and Port Research (2004): The Maritime Education System in Safety Management, *J. Maritime Management*, 20, 105- 112.
- (4) Park ,J.S. and Lee,J.W. (1988): Discussion on IAIN World Congress 2024, *Maritime*, 30, 123- 129.

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