

Trip Report

Name : Nugraha Garenza Riang
Affiliation : Cartography MSc student, Eötvös Loránd University
Conference : The 21st International Conference on Geoinformation and Cartography
Date : 18–20 September 2025
Location : University of Zadar, Zadar, Croatia
Organizer : The Croatian Cartographic Society

Between 18–20 September 2025, I had the opportunity to attend The 21st International Conference on Geoinformation and Cartography, held at the University of Zadar, Croatia, organized by The Croatian Cartographic Society. This ICA-endorsed event served as an international forum for presenting and exchanging the latest developments in cartography and geoinformation. The conference brought together scholars working in geoinformation, remote sensing, and cartography, particularly from Europe and Asia. It provided an important platform for researchers and experts to share knowledge, discuss new ideas, and explore emerging trends in cartography and geoinformatics.

One of my purposes in attending this conference was to present my research abstract titled “Brewing Hotspots: A Spatial Analysis of Coffee Shop Distribution in Yogyakarta’s Campus Zones.” My study focuses on mapping spatial gaps in the highly competitive retail industry in Yogyakarta, Indonesia, with a particular emphasis on coffee shops. By presenting this research, I was able to gain valuable experience, receive meaningful feedback, and engage with notable researchers in the field.

Throughout the conference, I attended numerous insightful sessions and discussions with distinguished scholars, including Georg Gartner (ICA President, TU Wien), Dušan Petrovič (ICA Vice President, University of Ljubljana), Miljenko Lapaine (Croatian Cartographic Society President), Liqiu Meng (former ICA Vice President, TU München), and Kerkovits Krisztián (Chair of the Commission on Map Projections ICA, ELTE). My interactions with these experts significantly enriched my knowledge of various research topics in cartography and geoinformatics, particularly cartographic education, the impact of artificial intelligence (AI) on cartography, map projections, historical cartography, and geographic information systems (GIS).

Summary of Activities

1. Presentation

On the second day of the conference, I delivered my presentation in a session related to GIS. I explained how accessibility, competition, and spatial gaps in service provision can be better understood through analyzing the spatial distribution of coffee shops using GIS technology and location data. I demonstrated how layered maps of travel duration and retail density can reveal spatial patterns. These visualizations offer practical insights for optimizing retail placement and addressing service gaps. I also emphasized the broader applicability of the framework used in my research, not only retail services but also public amenities.

2. Networking

In this conference, I was able to meet and connect with scholars, experts, and doctoral researchers from Croatia, Germany, Georgia, Iran, and Slovenia, many of whom are working on topics closely related to my interests. I had the privilege of having personal discussions with Georg Gartner and Liqiu Meng about their research in cartographic visualization, as well as my work on map color schemes for people with color vision deficiency. They offered positive and constructive feedback, while also encouraging me to publish my research.

3. Exhibition

One of the highlights of the conference was the map exhibition titled “Between Sea and Land: Cartographic Representations of the Adriatic Sea from the 16th to the 19th Century” The exhibition displayed original printed nautical charts of the Adriatic Sea, spanning from the 16th to the 19th century. These charts illustrated the gradual evolution of geographic knowledge of the Adriatic and showcased the progressive refinement of cartographic techniques. This was particularly evident in the early 19th century, when many charts were produced based on systematic hydrographic surveys.

Conclusion

Attending this conference was a valuable experience that allowed me to present my research, receive constructive feedback, and connect with international scholars. The sessions and discussions broadened my perspective on current trends in cartography and geoinformatics, while the exhibition enriched my understanding of the historical roots of mapping. Overall, the conference strengthened my research focus and motivated me to further develop my knowledge and publish my work.

Submitted by:

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Group photo of organizer and participants of the conference.



Presentation of my research.

**INVITATION LETTER**

10 September 2025

Garenza Riang NUGRAHA

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Dear Garenza Riang NUGRAHA,

The Scientific Organizing Committee invites you to participate in the 21st International Conference on Geoinformation and Cartography which will take place in Zadar, Croatia from 18 to 20 September 2025. The conference is an ICA-endorsed official event where the latest developments in Cartography and GIS are presented and exchanged.

This is to confirm that you submitted a theme "Brewing Hotspots: A Spatial Analysis of Coffee Shop Distribution in Yogyakarta's Campus Zones", which was accepted to be presented at the 21st International Conference on Geoinformation and Cartography.

Since you are a student, the Organizing Committee has exempted you from paying the registration fee. Unfortunately, Organizing Committee is not able to offer you financial support for traveling and accommodation. You will not be remunerated for this conference, but I hope that you will be able to come to Croatia and attend the Conference.

Additional information is available at the website <http://www.kartografija.hr>

I look forward to seeing you in Zadar,
Best regards,

Miljenko Lapaine

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Invitation letter to the conference by the organizing committee.