

Dear colleagues,

The new issue of the GEOBIZ newsletter is in front of you. This special issue is dedicated to our project activities in Sarajevo, which included participation and partnership at the conference "13th Days of BHAAAS in Bosnia and Herzegovina, GEOBIZ PMB meetings, 2nd Business-Academia workshop and GEOBIZ progress meeting. This newsletter was prepared by our colleagues prof. Medžida Mulić and prof. Suada Sulejmanović from Faculty of Civil Engineering, University of Sarajevo.

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THE 13TH DAYS OF BHAAAS IN BOSNIA AND HERZEGOVINA



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The 13th days of BHAAAS (Bosnian-Herzegovinian Academy of Art and Sciences) were held from June 23 to 26, 2022 in Sarajevo.

Bosnian-Herzegovinian American Academy of Arts and Sciences (BHAAAS), founded in Charlotte, North Carolina, in 2007, is a voluntary, non-profit, non-governmental, non-partisan, multi-ethnic, and multi-cultural organization whose purposes are educational, scientific, and charitable.

BHAAAS' main goal is to connect experts and professionals of the Bosnian-Herzegovinian Diaspora with their counterparts from Bosnia and Herzegovina and other countries.

Days of BHAAAS has over the years grown into one of the largest scientific conferences in the Balkans, with hundreds of participants attending lectures in dozens of parallel sessions.

The 13th BHAAAS Days consisted of Symposia, Special Events, Student Events, and Art and Cultural Events.

Here are some numbers: 16 members of the Organizing Committee coordinated with over 70 symposia chairs to put on 32 symposia in medical, technical, natural, and social sciences, sustainability and humanities and the arts.

Over 350 presentations took place at 4 locations over four days, delivered by experts from 26 countries. It held 16 special events, workshops, and round table discussions, many of them of general interest and open to the public. There also had a special program devoted to students and four interdisciplinary symposia and accompanying events dedicated to sustainability, the conference's main theme. Several cultural events were rounding out the scientific program, including exhibits, book promotions, and a grand opening ceremony at Sarajevo's City Hall.

The GEOBIZ project recognized the importance of this international conference and financially supported the conference and was announced as a silver sponsor in the desire to increase its visibility. Some of the symposia were thematically related to the Erasmus+ Ka2 GEOBIZ project.

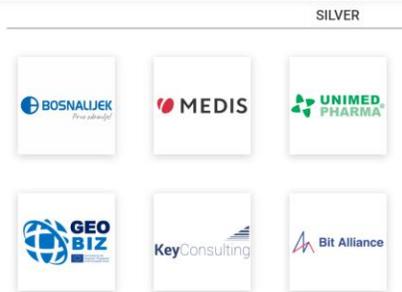


Figure 1. GEOBIZ as a silver sponsor of the 13th days of BHAAS (<https://bhaas.org/sarajevo-2022/bhaas-partners/>)

During the international conference 13 Days BHAAS, Sarajevo, from June 23 to 26, 2022, the GEOBIZ team from the University of Sarajevo - Faculty of Civil Engineering hosted project activities.

The 16th PBM meeting was organized at the Faculty of Civil Engineering (Figure 2) on June 23, 2022.



Figure 2. The 16th GEOBIZ PBM meeting

The GEOBIZ Workshop on business-academic cooperation (Figure 3) and the Project Progress Meeting (Figures 3 and 4) were held on June 25, 2022.



Figure 3. The GEOBIZ Workshop on business-academic cooperation in Sarajevo (second round) – Elvira Ćurić, MSc. Geodesy, presented by the public institution Institute for Spatial Planning of the City of Mostar, is a signatory to the Agreement on Business Cooperation with UNSA.



Figure 4. The 10th GEOBIZ progress meeting organized in the hybrid form: Lucia Capatina presents the next 11th Progress meeting planned for Chisinau, Moldova

As part of the Technical and Natural Sciences Symposium, sessions from the following areas led by the participants of the GEOBIZ project were held:

- Civil Engineering
- Geodesy and geoinformatics
- Data Science and Geographic Information Systems

The Civil Engineering Session covered a Wide Range of Fields in Civil Engineering, from Earthquake Engineering, The Resilience of Structures Exposed to Extreme Loads, Hydro-Mechanic Modelling, and Flood Risk to New

Developments in Insulation Materials. The Presentations Will Be Delivered by Professors, Researchers, and Students. This is a Great Opportunity to Exchange Knowledge and Meet New Colleagues from all over the world.



Figure 5. The Civil Engineering Session participants

Symposium chairs:

- Naida Ademović, University of Sarajevo
- Ammar Šarić, University of Sarajevo
- Emina Hadžić, University of Sarajevo

The Geodesy and geoinformatics (Fig. 6) session were primarily intended for researchers, engineers, and students to show research and results using advanced methods for solving geodetic problems, estimating parameters, and analysing geospatial data. It invited contributions presenting the use of new methods on actual data in various branches of geodetic and geoinformatics science and practice. Presentations concerning problems of reference frames, positioning, gravity field problems, dynamics and rotation of the Earth, remote sensing, geoinformation, applications of geoinformation systems, mapping, land management, spatial planning, spatial data information, geo-ethics questions, but also presentations that show ties to other disciplines were presented on this session.



Figure 6. Presentation on Geodesy and geoinformatics session

Symposium chairs:

- Medžida Mulić, University of Sarajevo
- Džana Halilović, Technical University Vienna
- Randa Natraš, Technical University of Munich

Data Science and Geographic Information Systems was an international forum for scientists, engineers, and students to present their latest research and development results in innovative and interdisciplinary applications of advanced technologies.

In the field of Data Science, they solicit contributions both in fundamentals (machine/deep learning, data science statistics, data quality, algorithms, optimization) as well as applications (domain-driven data science and analytics practice, decision-making, case studies, social and economic impact modelling as well as ethics, social issues, privacy, trust, and bias)

Also, experts like geospatial data analysts, geospatial intelligence analysts, market research analysts, GIS analysts, locational analysts, and research data scientists are invited to share their findings.



Figure 7. Presentation on Geodesy and geoinformatics session

With the new categories of users, such as Data Scientists, GIS is starting to happen more outside of traditional GIS tools, allowing more sophisticated spatial analysis to occur in

connection with new Data Science & Big Data solutions. This shift allows Spatial Data Science to emerge as a discipline with greater interactivity with Open Source & Cloud technologies.

Spatial Data Science (SDS) is a subset of Data Science that focuses on the unique characteristics of spatial data, moving beyond simply looking at where things happen to understand why they happen there.

Symposium chairs:

- Almir Karabegović, University of Sarajevo
- Jasminka Hasić Telalović, Sarajevo School of Science and Technology
- Mirza Ponjavić, International Burch University



Figure 8. Participants of the 16th GEOBIZ meeting on progress and Workshop on business-academic cooperation in the field of geoinformatics at the University of Sarajevo - Faculty of Economics, 24 June 2022