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UNIVNET 2022

INNOVATIVE MACHINES, TECHNOLOGIES AND MATERIALS IN CIRCULAR ECONOMY ENVIRONMENT

September 26 - 27 - 28, 2022
Hotel Kaskáda Brno, Czech Republic

1st Call for Papers - conference proceedings will be sent for indexing to Web of Science, SCOPUS and IEEE Xplore database.



Under the patronage of

Doc. Ing. Jiří Hlinka, PhD.,

Dean of Faculty of Mechanical Engineering, Brno University of Technology, Czech Republic;

and

Dr.h.c. prof. Ing. Ľubomír Šooš, PhD.,

Dean of Faculty of Mechanical Engineering, Slovak Technical University in Bratislava, Slovakia.

www.univnet.elfa.sk

Dear Ladies and Gentlemen,

we would like to invite you to the **11th year of the international conference**, which traditionally continues the previous successful years organized by Faculty of Mechanical Engineering of Slovak Technical University in Bratislava and Faculty of Mechanical Engineering of Technical University of Košice. These events have become a place of mutual exchange of views, experiences and new scientific knowledge of experts dealing with environmental, technical, economic and legislative aspects of environmental protection. The main focus of UNIVNET 2022 will be "Innovative machines and technologies in circular economy environment".

A friendly atmosphere, a high level of professionalism and off-site meetings and conversations in the social part of the conference will be beneficial for every council participant. Active participation is possible in the form of scientific and professional lectures as well as by exhibiting and presenting companies. We believe that an attractive council venue will contribute to the warm atmosphere.

UNIVNET 2022 Organizing Committee

Main Topics

- ***Environmental Engineering***
- ***Critical metals and raw materials recycling***
- ***Recycling Machines and Technologies***
- ***Environmental Measurement and Monitoring***
- ***Circular Economy***
- ***Clean Technologies***
- ***Environmental, Economics and Energetics Aspects Waste Treatment***
- ***Eco-design***
- ***Software Products for Environmental Studies***
- ***Raw materials and Raw Energies***

Important Deadlines

Registration

www.univnet.elfa.sk

Submission of draft paper according template 4-6pp	22 th August, 2022
Notification of acceptance and comments of reviewers	27 th August, 2022
Submission of full corrected paper (Camera ready paper)	4 th September, 2022
Final council program and last info	15 th September, 2022

Language and Proceedings

Council language: English, Slovak, Czech. All papers must be submitted in English.

All papers must be presented either in oral session or in poster session. If a paper, included into the proceedings, fails to be presented in any way at the conference, paper won't be published in IEEE Xplore database, SCOPUS and WoS. Pay to publish is not allowed. Please, use paper template from conference webpage to publish your contribution. Papers will be checked within the context of plagiarism. If paper plagiarism exceeds 20 percent, paper won't be added to proceedings and indexed. Please, check your paper originality.

Registration at www.univnet.elfa.sk

Scientific and Program Committee

- Dr.h.c. prof. Ing. Ľubomír Šooš, PhD., Slovak Technical University in Bratislava, Slovakia (Committee Chair)
- Dr.h.c. mult. prof. Ing. Miroslav Badida, PhD., Technical University of Košice, Slovakia (Committee Co-chair)
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- prof. Ing. Rudolf Sivák, PhD., University of Economy in Bratislava, Slovakia
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- prof. Dr. habil. Ing. Beata Kowalska, University of Lublin, Poland
- prof. Dr. habil. Bayoumi Hamuda Hosam, Óbuda University in Budapest, Hungary
- prof. Dipl. Ing. Dr. Eberhard Schmidt, University of Wuppertal, Germany
- prof. Ing. Mirjana Miloradov, PhD., University of Novy Sad, Serbia
- prof.i.R. Dipl. Ing. Dr. Mikuláš Luptacik, University of Vienna, Austria
- Ing. Marek Patsch, PhD., University of Žilina, Slovakia
- Prof. Dr. Ing. Dr.h.c. Bernd Friedrich, IME Metallurgische Prozesstechnik und Metallrecycling, Germany
- Ing. Alois Studenic, EUCS Ingenieurbüro GmbH, Austria
- Prof. DSc. Stanislav Legutko PhD. MSc. Eng., Poznan University of Technology, Poland
- prof. Dr. Ing. Jiří Marek, PhD., DBA, VUT Brno, Czech Republic
- Assoc. Prof. Jaroslav Katolicky, PhD., VUT Brno, Czech Republic

Organizing Committee

- doc. Ing. Lýdia Sobotová, PhD., Technical University of Košice, Slovakia (Chair)
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- Ing. Daniel Mandúch, Slovak Technical University in Bratislava, Slovakia
- Ing. Štefan Fejedelem, elfa, Ltd., Košice, Slovakia

Preliminary Program

September 26, 2022

- 14:00 - 18:00 Registration
- 14:00 - 18:00 Welcoming
- 18:00 - 20:00 Welcome Dinner

September 27, 2022

- 08:00 - 09:00 Registration
- 09:00 - 09:15 Opening Speech
- 09:15 - 12:00 Plenary Session
- 12:00 - 14:00 Lunch
- 14:00 - 17:00 Plenary Session
- 18:30 Gala Dinner

September 28, 2022

- 09:00 - 12:00 Plenary Session
- 12:00 - 12:30 Evaluation & Closing
- 12:30 - 14:00 Lunch
- 14:00 - 18:00 Free program at conference venue

Registration at www.univnet.elfa.sk

Fees and Payment Information

<i>Payment done</i>	<i>Until 31th August, 2022</i>	<i>1st September 2022 and after</i>
Contribution with active participation	350 €	400 €
Contribution with student/IEEE participation	300 €	350 €
Participation with no contribution	300 €	350 €
Accompanying person	100 €	100 €
Company presentation	500 €	500 €

Fee includes: VAT, participation, refreshment, materials and proceedings, technical background, social program. Fee doesn't include accommodation! Contributions without payment can't be published in proceedings or sent for publishing to any other scientific database.

Payment for the conference is possible by a bank transfer or in cash at council venue. Please notice that all the bank and transfer fees should be paid by the sender so that the UNIVNET organizing committee receives the exact amount of money as stated in the registration conditions. As your personal payment identification, write: UNIVNET 2022 / your name(s) into the message for receiver of the payment.

Bank: Tatrabanka, a.s., Košice, Slovakia
Account owner: elfa, s.r.o., Park Komenského 7, 040 01 Košice, Slovakia
IBAN: SK85 1100 0000 0029 2688 4443
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Variable symbol: 2628092022
Message (important!): UNIVNET 2022 / Name and surname of participant(s)

Council Venue and Accommodation

Hotel Kaskáda Brno, the hotel settings are in harmony with the surrounding countryside, further emphasizing the uniqueness of the location. The terrace-like premises are situated on two opposite sides. The golf course is on one side, and there are stylish, barrier-free bungalows with typical green roofs in a pure architectural style on the other side.

Attractions and tips for trips

VIDA science amusement park - located in Brno with a permanent interactive exhibition that presents dozens of scientific phenomena in four basic areas - Planet, Civilization, Man and Microworld. Near the Cascade Hotel you will find the Brno Dam or the beautiful summer swimming pool Riviera. Brno Reservoir - swimming, water sports, summer events, the famous Ignis Brunensis fireworks show. Experience Brno a little differently. Discover the beauty of the Moravian Karst nature reserve. Visit the quiet environment of the PLA for diverse hiking and cycling. Interesting architecture and history, this is one of the other tips. Villa Tugendhat is a famous villa of Greta and Fritz Tugendhat from 1929-1930, designed by architect Ludwig Mies van der Rohe, is an installed monument of modern architecture. As the only monument of modern architecture in the Czech Republic, it is inscribed on the UNESCO World Heritage List. Do you want to enjoy romance under the stars? Take a trip to the Brno Observatory and Planetarium - you will learn a lot of interesting things from astronomy, but we also do not avoid geology, chemistry, physics, mathematics, geography and much more. Are you a lover of history and secrets? Come and spend pleasant moments at our hotel and visit the nearby Veveří Castle from the 13th century.

Venue Address: **Hotel Kaskáda, Kuřim, Na Golfu 1772, 664 34 Kuřim, Czech Republic**

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Contacts

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