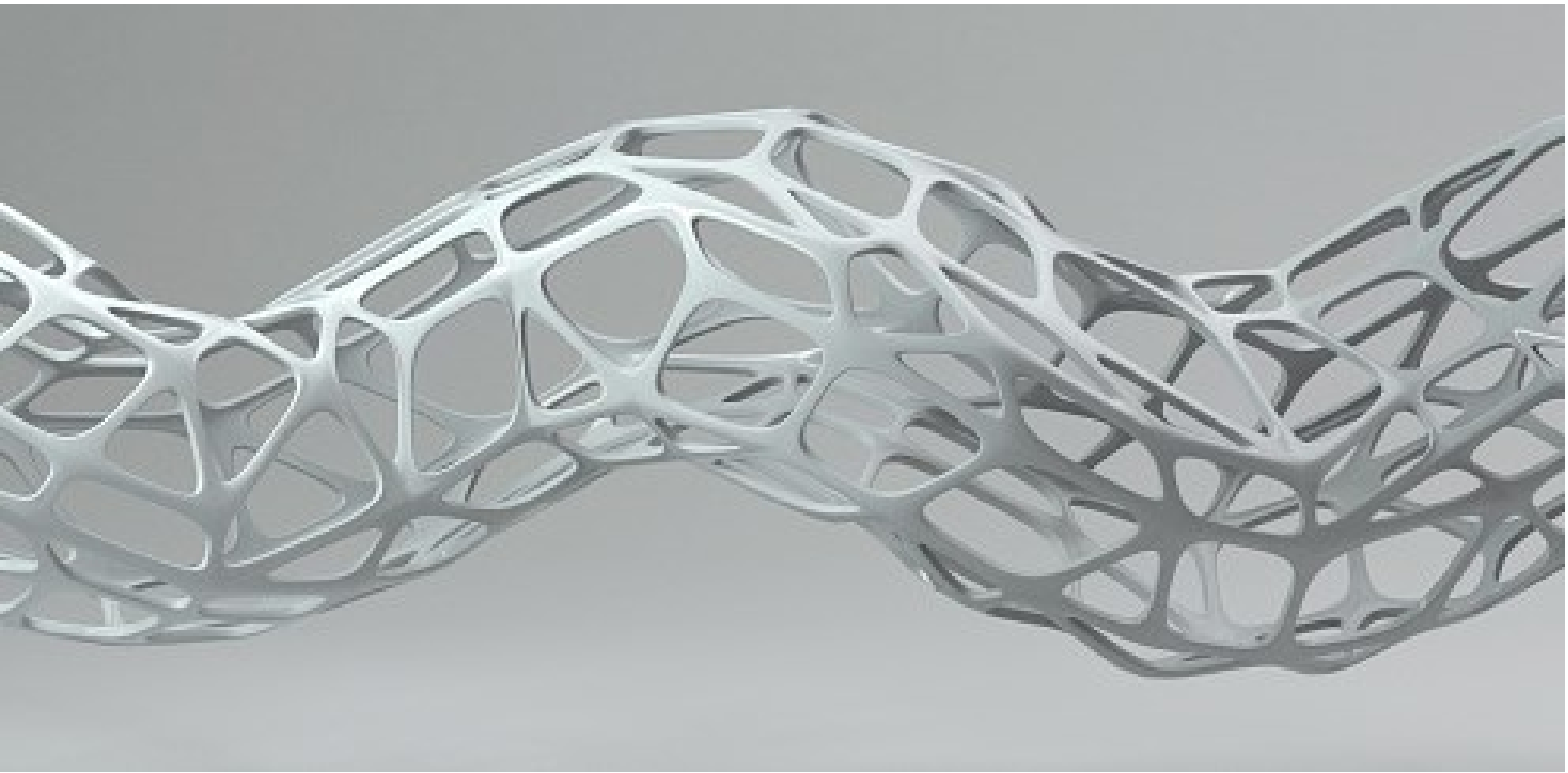


THE 1ST INTERNATIONAL CONFERENCE



SCFF23

“From Smart City to Smart Factory for Sustainable Future”

10th – 12th May 2023

Ostrava, Czech Republic, <https://3dprint.vsb.cz/en/conference/>

**VSB TECHNICAL
UNIVERSITY
OF OSTRAVA**

MSE SCHOOL OF
MATERIALS
SCIENCE AND
ENGINEERING



Politechnika Świętokrzyska
Kielce University of Technology

RCTI

The international conference SCFF23 is organized for researchers, experts, and students to share their vision about the future under the concept of “From Smart City to Smart Factory for Sustainable Future” from multidiscipline perspectives.

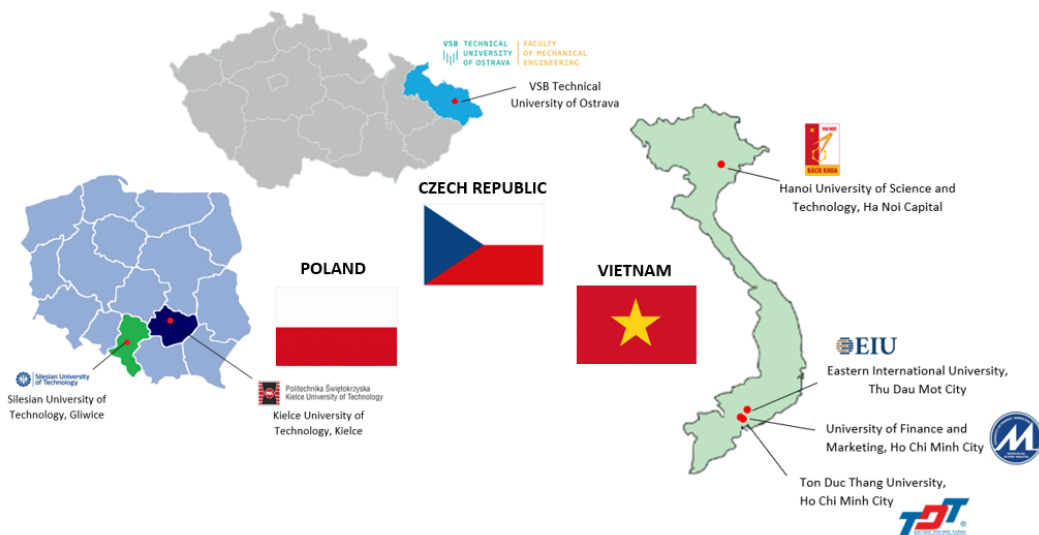
SCFF 2023

The 1st ever international conference SCFF23 is organized for researchers, experts, and students to share their vision of the future under the concept of “From Smart City to Smart Factory for Sustainable Future” from multidiscipline perspectives.

The aim of the conference is to provide an opportunity for participants with different expertise to meet up and share their knowledge, disruptive ideas, and solutions to existing problems that hinder us from moving forward to a more modern and sustainable life using technologies. The conference facilitates the mutual exchange of experiences and the establishment of long-lasting international cooperation. The conference scope includes discussions about innovative and sustainable technologies, solutions, and frameworks for applications of state-of-the-art technologies to Smart Cities and Smart Factories.

The conference is co-organized by scholars from:

- VSB - Technical University of Ostrava, VSB-TUO, Ostrava, Czech Republic
- School of Materials Science and Engineering, SMSE, HUST, Ha Noi City, Vietnam
- University of Finance - Marketing, UFM, Ho Chi Minh City, Vietnam
- Faculty of Electrical and Electronics Engineering, FEEE, TDTU, Ho Chi Minh City, Vietnam
- Research Construction Technology Institute, RCTI, Thu Dau Mot City, Vietnam
- Silesian University of Technology, SUT, Gliwice, Poland
- Kielce University of Technology, KUT, Kielce



SCOPE

Topic 1 – Smart Factory; Smart Manufacturing; Additive Manufacturing; Materials Science; Simulation; Robotics; Autonomous Driving; Digital Twin

Topic 2 – Smart Electronics; Internet of Things; Electronics and Telecommunication; Wireless Communication.

Topic 3 – Artificial Intelligence; Machine Learning; Cloud Computing; Cyber Security; Network Analysis; Big Data; Blockchain; Data Visualization; Metaverse; XR; AR; VR.

Topic 4 – Sustainability; Smart City; Smart Village; Smart Education; Environmental Technology; Digital Transformation; Healthcare; Biotechnology.

Topic 5 – Smart Economy; Smart Business; Industrial Management; Business Administration; E-commerce; Business Intelligence; Economics; Economic Development; Political Economy; Management; Logistics.

HIGHLIGHTS

Topic 1 – Smart Factory; Smart Manufacturing; Additive Manufacturing; Materials Science; Simulation; Robotics; Autonomous Driving; Digital Twin.

Topic 2 – Smart Electronics; Internet of Things; Electronics and Telecommunication; Wireless Communication.

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VENUE

The metropolis of the Moravian-Silesian Region is the third largest city in the country in terms of area and the third largest in terms of population. It is strategically located 10 kilometers south of the border with Poland and 50 kilometers west of the border with Slovakia. It is 360 kilometers from the capital Prague, 170 kilometers from Brno, 90 kilometers from Katowice, Poland, and 310 kilometers from Vienna. The rivers Odra, Ostravice, Opava, and Lučina flow through the town.

VSB-TUO

For more than 170 years, VSB - Technical University of Ostrava has been connecting technical, economic, natural science, and art disciplines in modern study programs that respond to the real problems of today. We carry out basic and applied research at the top level. Thanks to tradition and cooperation with industry and a number of domestic and foreign universities in a wide range of sectors, we provide innovative solutions in a number of fields and job security for our graduates.



VSB – Technical university of Ostrava

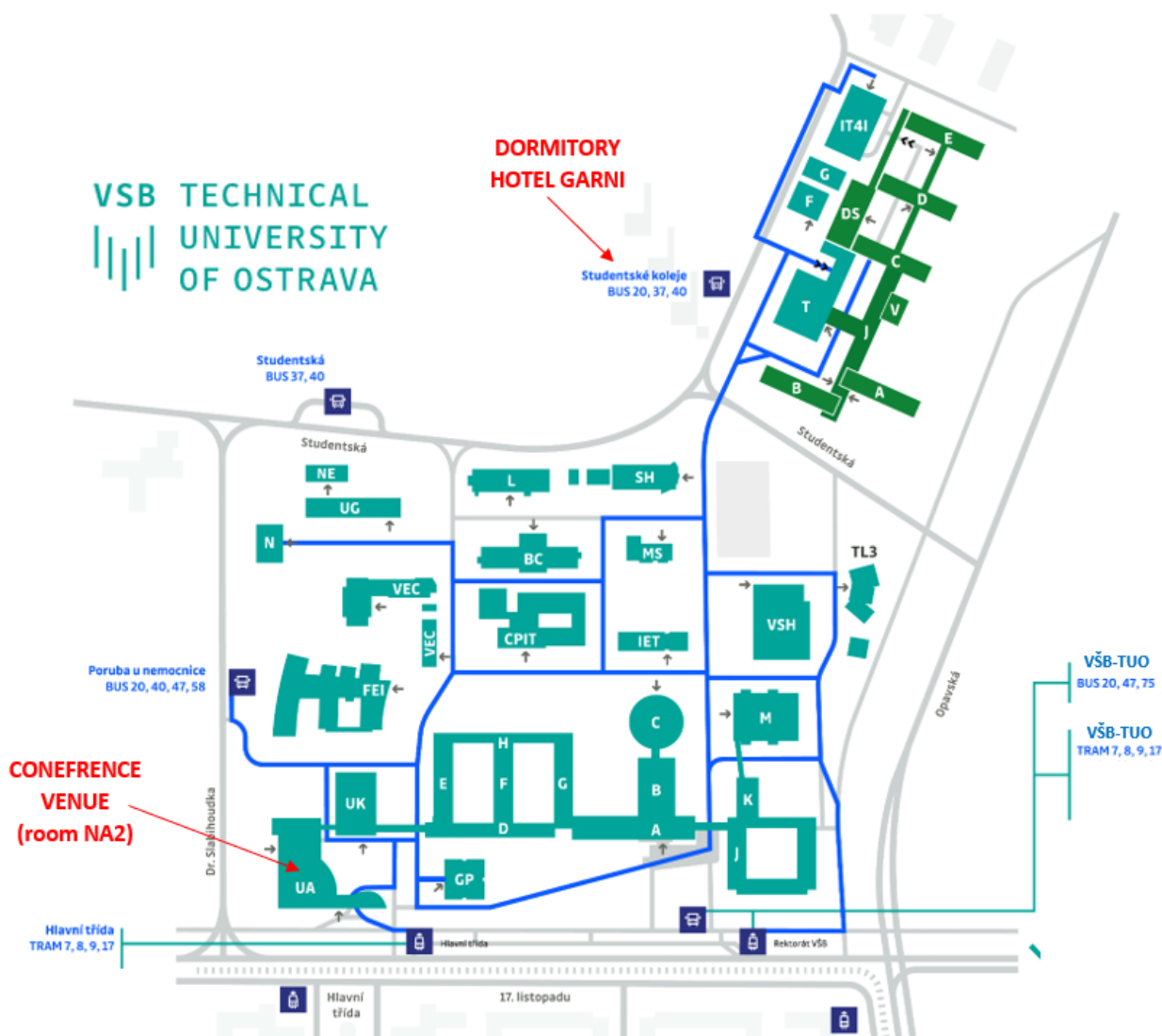
17. listopadu 15/2172 (street)

Ostrava – Poruba

GPS: 49.846746243412085,

18.161206564600466

Map of VSB-Technical University of Ostrava



DORMITORY, HOTEL GARNI

Studentská 1770

708 00 Ostrava-Poruba

phone: +420 596 996 155

E-mail: hotel@vsb.cz

Reception: +420 596 991 211 (*Reception is in building B*)

GPS: 49.837404107955855,

18.158917877228287

<https://www.hotelvsb.cz/?lang=en>

CONFERENCE VENUE

VSB – Technical univerzity of Ostrava

Nová aula, NA2 (building, room)

17. listopadu 15/2172 (street)

708 00 Ostrava – Poruba





















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



TIME SCHEDULE

PELIMINARY PROGRAM				
Time/Date	Tuesday 9 th May	Wednesday 10 th May	Thursday 11 th May	Friday 12 th May
7:00		LAST MINUTE REGISTRATION		CHECK OUT
7:30				
8:00				
8:30		OPENING CEREMONY NA2		
9:00			Campus tour and sightseeing (<i>3D printing, Machining and Metrology Lab</i>)	
9:30				
10:00		KEYNOTE Lectures NA2		
10:30				
11:00				
11:30		Collective photo		
12:00		LUNCH		
12:30				
13:00				
14:00				
15:00	REGISTRATION	KEYNOTE Lectures NA2	DOV visit	
16:00				
17:00		Accompanying program – students posters	The true Czech Pub Experience with Dinner possibilities	
18:00		DINNER		
19:00				
20:00	Warm up Meet up	Discussion and networking		

TECHNICAL PROGRAM

TUESDAY MAY 9 TH 2023	
 15:00 – 18:00	 REGISTRATION <i>Nova aula VŠB-TUO, room NA2</i>
 18:00	 WARM UP MEET UP
WEDNESDAY MAY 10 TH 2023	
 7:00-8:00 NA2	 LAST MINUTE REGISTRATION
	 OPENING CEREMONY <i>Welcome speeches</i>
 8:30-9:30 NA2	Prof. Jana PETRŮ <i>Co-Chair, VSB-Technical University Ostrava, CZ</i> Assoc. Prof. Marek PAGÁČ <i>Co-Chair, VSB-Technical University Ostrava, CZ</i>
 9:30-10:00 NA2	 COFFE BREAK
 10:00-11:30 NA2	 KEYNOTE LECTURE
10:00-10:30	Assoc. Prof. Marek PAGÁČ Research and development of 3D printing technology at VŠB-TUO <i>VSB – Technical university Ostrava, Czech Republic</i>
10:30-11:00	Prof. Sergej HLOCH Ultrasonic pulsating water jet: innovative technology for surface treatment, medical applications, and cultural heritage preservation <i>VSB – Technical university Ostrava, Czech Republic</i>
11:00-11:30	Nguyen VAN DUNG, Ph.D. XXXXX <i>Ton Duc Thang University, Vietnam</i>
 11:30-12:00	 COLLECTIVE PHOTO
 12:00-13:00	 LUNCH
 13:00-15:00 NA2	 KEYNOTE LECTURE
13:00-13:30	Tomasz KOZIOR, Ph.D. Xxx <i>Kielce University of Technology, Poland</i>
13:30-14:00	XXX Xxx xxx
14:00-14:30	XXX Xxx xxx
14:30-15:00	XXX Xxx xxx
 15:00-15:30	 COFFE BREAK

SCFF 2023 | International Conference

 15:30-17:00	STUDENTS POSTERS
16:00-17:30	XXX
 17:30-18:30	 DINNER
 18:30	 DISCUSSION AND NETWORKING
THURSDAY MAY 11 TH 2023	



FACULTATIVE TRIPS

VSB Campus Tour

The campus of the Technical University of Ostrava is one of the largest in Central Europe. In addition to teaching, it offers accommodation, catering, sports, cultural activities, and many other services. The campus facilities include a post office, pizzeria, student shops, and free wifi for students. The campus also includes a gallery, library, and PC pavilion. Students can use the services of a doctor, psychologist, or career counselor. + Tour of machining, assembly, and metrology department laboratories, and Protolab laboratory – the largest 3D printing center in Central Europe.



<https://www.vsb.cz/en>



<https://protolab.cz/>



<https://www.fs.vsb.cz/346/en>

DOV – Dolní oblast Vítkovice

A visit to the unique Dolní Vítkovice site, where coal was mined, and pig iron was produced between 1828 and 1998. It was in 1828 that the Archbishop of Olomouc, Rudolf Habsburg, issued a decree establishing an ironworks in Vítkovice. This created a unique complex of heavy industrial production, which did not exist anywhere else in Europe, from coal mining to a coke treatment plant and coke production to pig iron production. Now, this industrial complex has been transformed into a unique educational, cultural and social centre with international reach.



<https://www.dolnivitkovice.cz/en/>

True Czech Experience

The intention of the Radegastovna AURA in Poruba was to create a place where the experience of properly tapped beer and quality food is further enhanced by a pleasant environment. Radegastovna in Poruba offers traditional Czech cuisine with Radegast (traditional Czech beer) on tap. There is a lounge and terrace in an original ambiance.



<https://radegastovna-aura.pubmenu.cz>

CONTACT