



Czech
Vacuum
Society

We cordially invite you to

SUMMER SCHOOL OF VACUUM TECHNOLOGY 2025

on June 2 to 5, 2025

in hotel Jitřenka in Konstantinovy Lázně



FOCUS OF SUMMER SCHOOL:

„New Facilities for the Top Notch Research in the Czech Republic“

The Summer School of Vacuum Technology 2025 (SSVT 2025) program is planned from the evening of Monday 6/02 to Thursday 6/05 at noon. The traditional company evening (Wednesday) will also be part of the school. Similar to last year, this year's SSVT will be held in English to enable the participation of foreign-speaking participants.

The theme of the school is focused on presenting the possibilities of current cutting-edge research in the Czech Republic. Interesting examples will be used to present the possibilities of new research infrastructures, which can be used both for basic research and in a number of modern applications. The possibilities of research infrastructures will be presented by renowned experts. The school is designed to provide comprehensive information even to those workers who are starting out in the field. Brief lecture notes will be available on the ČVS website. More information about the summer school, including registration, can be found on the CVS website www.vakspol.cz.

Programme of SSVT 2025

- **Filip Křížek**, Institute of Physics of the Czech Academy of Sciences, Prague
The Queen of Vacuum Chambers and the Doors She Opens
- **Kateřina Pachnerová Brabcová**, Nuclear Physics Institute of the Czech Academy of Sciences, Husinec - Řež
Radiocarbon dating: From early settlements to illegal ivory
- **Michal Urbánek**, CEITEC Brno University of Technology
New materials and characterisation techniques for magnonic applications
- **Jakub Dostálek**, Institute of Physics of the Czech Academy of Sciences, Prague
Plasmonics for single biomolecule analysis
- **Daniele Margarone**, ELI Beamlines Facility, Extreme Light Infrastructure ERIC, Dolní Břežany
Contribution to high-performance Laser Science at the Extreme Light Infrastructure (ELI)
- **Filip Křížek**, Nuclear Physics Institute of the Czech Academy of Sciences, Husinec - Řež
FORTE prestissimo
- **Jana Kalbačová Vejpravová**, Faculty of Mathematics and Physics, Charles University, Prague
AMULETs – next-generation advanced materials
- **Hanuš Seiner**, Institute of Thermomechanics of the Czech Academy of Sciences, Prague
Functionalities of Ferroic Materials: from Mathematics to 3D APT

Summer School of Vacuum Technology 2025						
<i>"New capacities of top notch research in the Czech Republic"</i>						
Monday 2.6.2025	Tuesday 3.6.2025		Wednesday 4.6.2025		Thursday 5.6.2025	
	8 ⁵⁰ - 9 ⁰⁰	Opening				
	9 ⁰⁰ - 10 ¹⁵	F. Křížek	9 ⁰⁰ - 10 ¹⁵	D. Margarone	9 ⁰⁰ - 10 ¹⁵	J.K. Vejpravová
	10 ¹⁵ - 10 ⁴⁵	coffee break	10 ¹⁵ - 10 ⁴⁵	coffee break	10 ¹⁵ - 10 ⁴⁵	coffee break
	10 ⁴⁵ - 12 ⁰⁰	K.P. Brabcová	10 ⁴⁵ - 12 ⁰⁰	F. Křížek	10 ⁴⁵ - 12 ⁰⁰	H. Seiner
		Lunch		Lunch	12 ⁰⁰ - 12 ¹⁰	Closing
						Lunch
	15 ⁰⁰ - 16 ¹⁵	M. Urbánek	Free time			Departure
Arrival	16 ¹⁵ - 16 ⁴⁵	coffee break				
	16 ⁴⁵ - 18 ⁰⁰	J. Dostálek				
	Dinner	Dinner		Dinner		
19 ⁰⁰ - 21 ⁰⁰	Registrace		20 ⁰⁰ -	Company evening		
	Free time	Free time				

ORGANIZATIONAL INSTRUCTIONS:

The summer school of vacuum technology takes place **from June 2 to 5, 2025** in the **hotel Jitřenka**, in Konstantinovy Lázně.

Accommodation of participants in double rooms and their meals are provided from dinner on 2.6. until lunch on 5.6. Please indicate all the required services in the binding electronic application, which you can find on the website of the CVS - www.vakspol.cz. **It is mandatory to register and deliver proof of payment by May 15, 2025.** After this date, the organizers cannot guarantee the availability of accommodation in the guesthouse or in the nearby area. Send confirmation of payment by email to the address of the CVS secretariat cvs@vakspol.cz, or by post or fax. If you cannot apply via the website, request a written application form from the secretariat.

The registration fee includes lodging, meals and accommodation. The entry fee is **2,500 CZK** for individual members of the CVS and for employees of collective members of the CVS, **1,500 CZK** for students - members of the CVS (confirmation of studies), **1,800 CZK** for other students and **2,800 CZK** for other participants. The registration fee also includes the abstract book. Each participant will be provided with accommodation (**850 CZK/night**) and meals (breakfast **250 CZK**, lunch **300 CZK**, dinner **300 CZK**) to the extent according to the completed application. The hotel also offers a vegetarian diet (mark the request on the application form).

Please pay the amount for the registration fee, accommodation and meals to the CVS account:

ČSOB, a.s., Václavské nám. 2

115 20 Prague 1

Account no.: 482836803/0300

Enter the **variable symbol** on the payment order: 0106.

As a specific symbol, write your nine-digit phone number listed on the application.

If you are unable to apply via the website, please send the completed application form and proof of payment to:

Czech Vacuum Society

V Holešovičkách 2

180 00 Prague 8

IČO: 61381811

DIČ: CZ61381811

WEB page: www.vakspol.cz

We will answer any questions you may have on the phone numbers:

+420 602 951 233 (H. Kacafírková)

+420 22191 2753 (K. Mašek)

E-mail: cvs@vakspol.cz

The deadline for applications is May 15, 2025 at 2 p.m

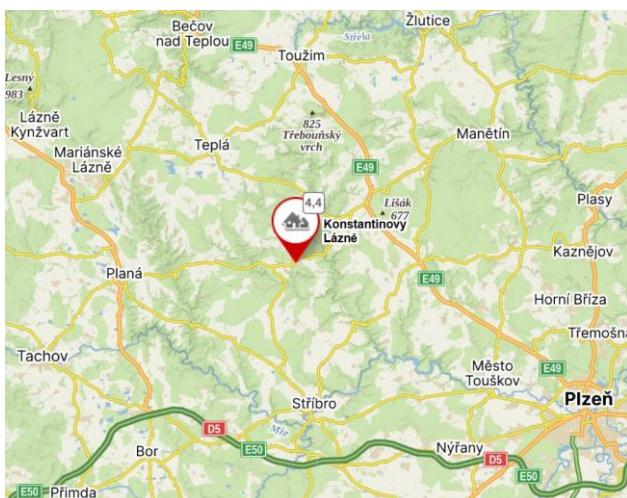
COMPANIES WHO HAVE PROMISED TO SUPPORT SSVT THROUGH THEIR PARTICIPATION:

**Activair
HUMUSOFT
LAVAT
Pfeiffer Vacuum Austria**

**SPECION
Q-test
ÚJF AV ČR
Vakuum servis**

HOTEL JITŘENKA, KONSTANTINOVY LÁZNĚ

The Jitřenka Hotel building is located in the village of Konstantinovy Lázně in the pure nature of local forests and spa parks. Konstantinovy Lázně is a small but all the more charming place to spend your free time. The spa town and its surroundings offer a number of other activities, including 450 kilometers of cycling trails, marked Nordic walking trails and 4 nature trails. You will find a number of historical sites on them, which will allow you to follow the footsteps of man from prehistoric times through the Middle Ages to the present day. More information can be found on the website www.konstantinovy lazne.cz .



Address:
Hotel Jitřenka
Lázeňská 20
34952 Konstantinovy Lázně

GPS coordinates:
49.8813294N, 12.9820025E

You can find more detailed information about the location of the summer school and transport to Konstantinovy Lázně on the CVS website www.vakspol.cz and www.hotel-jitrenka.cz

ORGANIZATION COMMITTEE

**Jaroslav Pavlík
Antonín Fejfar
Anna Macková
František Krčma
Martin Papula**

**Karel Mašek
Pavel Hedbávný
Martin Klápště
Hana Kacafírková
Jiří Drbohlav**