

6th international conference on plasma medicine

2nd announcement

Bratislava, Slovakia
September 4 -9, 2016



Welcome

On behalf of the International Society for Plasma Medicine (ISPM), we are delighted to welcome you to the full-week 6th International Conference on Plasma Medicine (ICPM-6), which will be held in Bratislava, Slovakia, from **September 4 to 9, 2016**.

Plasma Medicine is a new, rapidly growing field that faces many technological challenges and brings to the forefront fundamental questions on the mechanisms of interaction between living organisms and gas plasmas. The conference creates a multidisciplinary forum bringing together professionals from the fields of plasma physics, medicine, biology, biochemistry, pharmacy, agriculture, and food science and industry, in order to develop a common language, to better define key challenges and open questions, to further development of international collaborations, and to move toward effective solutions.

This time, the ICPM-6 will be preceded by the Summer School on Plasma Medicine.

We hope to see you all in Bratislava, one of the pearls on the Danube river and quickly developing metropoles in the Central Europe.

Zdenko MACHALA and Karol HENSEL

Organizers of ICPM-6

Faculty of Mathematics, Physics and Informatics

Comenius University

Mlynská dolina

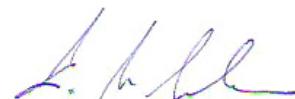
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6th international conference on plasma medicine

icpm⁶

September 4-9, 2016 - Bratislava, Slovakia

associated with

Summer School on Plasma Medicine - September 1-3, 2016



History

The field of the biomedical applications of gas plasmas was first introduced to the scientific community at the IEEE International Conference on Plasma Science (ICOPS) in the 1990s. Soon after other international plasma conferences including the Gaseous Electronics Conference (GEC), the International Conference on Phenomena in Ionized Gases (ICPIG), and the International Symposium on Plasma Chemistry (ISPC) followed. Along with these conferences, several special issues dedicated to the biomedical plasma applications were published by prominent journals such as IEEE Transactions on Plasma Science, Plasma Processes and Polymers, and Journal of Physics D: Applied Physics. Based on the initial successes of this emerging field, later known as 'plasma medicine', several scientists came together and founded a new conference focused specifically on biomedical applications of plasmas - **The International Conference on Plasma Medicine (ICPM)**.

The first two conferences were organized by A. Fridman and G. Friedman and were held in **Corpus Christi, USA**, in 2007 and **San Antonio, USA** in 2009, respectively. In 2009, a new scientific society 'The International Society for Plasma Medicine (ISPM)' has been formed to support the activities and interests of the growing plasma medicine scientific community. The following two conferences were organized on the European continent - ICPM-3 in 2010 in **Greifswald, DE**, and ICPM-4 in 2012 in **Orleans, FR**. After conferences in America and Europe, the ISPM voted for the next conference to be held in Asia: ICPM-5 was then organized in 2014 in **Nara, JP**.

The upcoming sixth conference (ICPM-6) will be held in Europe again, this time not in its western, but rather the very central part - in **Bratislava, Slovakia**.

ICPM	Place	Dates	Organizer
1	Corpus Christi, Texas	October 15-18, 2007	A. Fridman and G. Friedman
2	San Antonio, Texas	March 16-20, 2009	A. Fridman and G. Friedman
3	Greifswald, Germany	September 19-24, 2010	K.-D. Weltmann and M. Juenger
4	Orleans, France	June 17-21, 2012	J.-M. Pouvesle and E. Robert
5	Nara, Japan	May 18-23, 2014	S. Hamaguchi
6	Bratislava, Slovakia	September 4-9, 2016	Z. Machala and Hensel

Table: General information on ICPM conferences

ISPM Board (International Scientific Committee)

 Farzaneh AREFI-KHONSARI (University of Pierre and Marie Curie, Paris)

 Eun Ha CHOI (Kwangwoon University, Seoul)

 Vittorio COLOMBO (University of Bologna, Bologna)

 Svetlana ERMOLAEVA (Gamaleya Research Institute, Moscow)

 Theresa FREEMAN (Thomas Jefferson University, Philadelphia)

-  Alexander FRIDMAN (Drexel University, Philadelphia)
-  David GRAVES (University of California, Berkeley)
-  Satoshi HAMAGUCHI (Osaka University, Osaka)
-  Masaru HORI (Nagoya University, Nagoya)
-  Gerrit KROESEN (University of Technology, Eindhoven)
-  Zdenko MACHALA (Comenius University, Bratislava)
-  Jean-Michel POUVESLE (University of Orleans, Orleans)
-  Eric ROBERT (University of Orleans, Orleans)
-  Klaus Dieter WELTMANN (INP, Greifswald)
-  Thomas von WOEDTKE (INP, Greifswald)

Local Organizing Committee

Zdenko MACHALA, chairman

Karol HENSEL, vice-chairman

Mário JANDA, secretary

Zuzana KOVAL'OVÁ, scientific manager

Barbora TARABOVÁ, scientific manager

Katarína KUČEROVÁ, scientific manager

Viera KRIŠTÚFKOVÁ, project manager

Alexandra HELDESOVÁ, event manager

Debora CHUDÁ, event manager

Romana DULOVÁ, event manager

Oliver GÁBOR, event manager

Kristína MACKOVÁ, event manager

International Society for Plasma Medicine

Division of Environmental Physics, Comenius University, Bratislava

Society for Plasma Research and Applications

Topics

1. Medical treatment with plasmas
2. Plasma-cell and plasma-tissue interactions, biological reactions
3. Plasma-based sterilization/decontamination
4. Agricultural and food applications of plasmas
5. Pharmaceutical applications and biochemical/biomolecular engineering with plasmas
6. Plasma-surface interactions and surface functionalizations for biomedical applications
7. Fundamentals of atmospheric plasmas

- 8. Plasma sources for biomedical applications
- 9. Plasma and liquid diagnostics and sensors
- 10. Modeling and numerical simulations

Program

The program will be composed of plenary (45'), invited (30') and contributed oral (15') lectures and of three large poster sessions.

TIME	SUN (Sep 4)	MON (Sep 5)	TUE (Sep 6)	WED (Sep 7)	THU (Sep 8)	FRI (Sep 9)
9 00						
05		opening				
10		plenary	plenary	plenary	plenary	plenary
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16 00 05 10 15 20 25 30 35 40 45 50 55			coffee break	coffee break			
17 00 05 10 15 20 25 30 35 40 45 50 55	registration		poster session	poster session	conference trip	poster session	
18 00 05 10 15 20 25 30 35 40 45 50 55	welcome reception				BoD meeting		
19 00 05 10 15 20 25 30 35 40 45 50 55						conference dinner	

Plenary Lectures

Matteo GHERARDI, University of Bologna, Bologna,  ITALY

Plasma treatment in dentistry

Jürgen KOLB, INP Greifswald, Greifswald,  GERMANY

Cell to cell communication induced by electric pulses and plasmas

Vandana MILLER, AJ Drexel Plasma Institute, Camden, NJ,  USA

Plasma activation of immune system for cancer therapy

Robert SHORT, University of South Australia, Adelaide,  AUSTRALIA

Opportunities for plasma technologies in cell therapy and wound healing

Shinya TOYOKUNI, Nagoya University Graduate School of Medicine, Nagoya,  JAPAN

Insight into chemical mechanism in plasma medicine from viewpoints of oxidant stress

Invited Lectures

Jan BENEDIKT, Ruhr University, Bochum,  GERMANY

Molecular beam mass spectrometry and vacuum UV-spectroscopy of atmospheric pressure plasmas

Hynek BIEDERMAN, Charles University, Prague,  CZECH REPUBLIC

Plasma surface modification for biomedical applications

Paula BOURKE, Dublin Institute of Technology, Dublin,  IRELAND

Potential of atmospheric cold plasma for food preservation and processing

Paola BRUN, University of Padova, Padova,  ITALY

Mechanisms of wound healing and disinfection in a plasma source for the treatment of corneal infections

Peter CELEC, Comenius University, Bratislava,  SLOVAKIA

Oxidative stress - sources, consequences and its role in the pathogenesis of diseases

Natalie CHERNETS, Thomas Jefferson University Hospitals, Philadelphia, PA,  USA

Deciphering plasma/tissue interactions to develop appropriate medical treatments

Pietro FAVIA, University of Bari, Bari,  ITALY

Elaboration of polymer films by plasma processes as biomaterials

Brendan GILMORE, Queen's University, Belfast,  NORTHERN IRELAND

Controlling bacterial biofilm and virulence using non-thermal plasmas

Sylvain ISÉNI, University of Orleans, Orleans,  FRANCE

Electric field characterization of plasma gun and multi-jet plasma arrays

Mark J. JAROSZESKI, University of South Florida, Tampa, FL,  USA

Plasmid DNA delivery using a nonthermal He plasma in a murine model

Nagendra KAUSHIK, Kwangwoon University, Seoul,  SOUTH KOREA

Immuno-modulatory effect of bio-plasma and its application in cancer treatment

Katsuhisa KITANO, Osaka University, Osaka,  JAPAN

Identification of chemical species for bactericidal effects of cryo-preserved plasma treated water

Mounir LAROUSSI, Old Dominion University, Norfolk, VA,  USA

Low temperature plasma jets and their interactions with biological cells and media

Petr LUKEŠ, Czech Academy of Sciences, Prague,  CZECH REPUBLIC
Plasma/liquid interactions, liquid phase plasma chemistry

Jean-Yves MAILLARD, Cardiff University, Cardiff,  WALES
Bacterial spore structures and their protective role in biocide resistance

Kai MASUR, INP Greifswald, Greifswald,  GERMANY
Cold plasma mediated influence on cellular redox balance to support wound healing

Ali MESBAH, University of California, Berkeley, CA  USA
Model predictive control of atmospheric pressure plasmas

Lluis MIR, Institute Gustave-Roussy, Villejuif,  FRANCE
Pulsed electric field effects on cells and associated cancer treatments

George NAIDIS, Russian Academy of Sciences, Moscow,  RUSSIA
Production of reactive species in cold atmospheric-pressure plasma jets

Shoko NISHIHARA, Soka University, Tokyo,  JAPAN
Effect of atmospheric pressure plasma on embryonic stem cells

Christian OPLÄNDER, Heinrich Heine University, Düsseldorf,  GERMANY
Effects of cold plasma on human skin and skin cells

Kostya OSTRIKOV, CSIRO, West Lindfield,  AUSTRALIA
Plasma, cell and cancer

Nevena PUĀČ, University of Belgrade, Belgrade,  SERBIA
Plasma treatment in seed germination

Gregor SERŠA, University of Ljubljana, Ljubljana,  SLOVENIA
Anti-vascular effects of electroporation - implications for electrochemotherapy and gene therapy

Kazuo SHIMIZU, University of Shizuoka, Hamamatsu,  JAPAN
Transdermal drug delivery by low discharge voltage atmospheric microplasma

Elena SYSOLYATINA, Gamaleya Research Institute, Moscow,  RUSSIA
Plasma against mycoplasma, a cell-wall-deficient membrane parasite.

Hiromasa TANAKA, Nagoya University, Nagoya,  JAPAN
Plasma-activated medium and cancer

Deadlines

Second announcement	February 15, 2016
Call for abstracts	February 15, 2016
Abstract submission	March 31, 2016
Abstract acceptance notification	April 30, 2016
Final announcement	May 31, 2016
Early registration deadline	May 31, 2016
Summer school	September 1-3, 2016
Conference	September 4-9, 2016

Fees

The registration fee covers the major costs of the conference organization. It covers access to all conference sessions, exhibitions, welcome reception, coffee breaks and lunches. During the registration each participants will receive a conference bag containing conference program, book of abstracts, notepad, pen, city guide, and various information materials. The fee also includes the ISPM membership for the next 2-year period and basic conference trips (some trips will require an additional fee). The registration fee is also used to support participation of invited speakers and students, as well as participants from developing countries and economies in transition.

Early registration fees (by May 31, 2016):

regular participant (academia and research institutions)	420 €
regular participant (industry and private)	520 €
students (student ID required)	250 €

Regular registration fees (after June 1, 2016):

regular participant (academia and research institutions)	550 €
regular participant (industry and private)	650 €
students (student ID required)	300 €

Special fees

partners and exhibitors	determined individually based on provided service and space
accompanying person*	50 €
conference dinner	50 €

*Fee includes welcome coctail and basic conference trips. The fees for optional companion program will be specified later.

Conference Trip

Conference Trip is scheduled for Wednesday, September 7, 2016, afternoon.

TRIP 1: Knights at Devín Castle

Panorama sightseeing two-way boat trip from Bratislava Old Town to the Devín Castle, associated with the visit of the castle ruins and the stunning program performed by Journeyman of Ancient Warrior Arts and Crafts in Bratislava that will bring you to the beautiful renaissance age.

This event including its renaissance entertainment is exclusive to the ICPM-6 participants and can only be organized if minimum attendance is met.

TRIP SUMMARY

program: Boat trip by the Danube river to Devín and back - Devín Castle (guided tour) - Renaissance program (knights tournament on horses, historical dance lesson, archery lesson, oriental tents) - Devín red currant wine tasting and refreshment

transport: boat, walking

duration: 6 hours (expected return to Bratislava 20:00)

meal: refreshments and Devín red currant wine

attendance: minimum 170 people

additional fee: **25 euro**

The Devín Castle, known since the 9th century, is considered as Slovak cultural monument and symbol of the oldest glorious history of Slovaks, in that age Slavs. This monument, just a few kilometers away from Bratislava, should visit everyone who comes to Slovakia. The castle is build on a large cliff above the rivers Danube and Moravia where is great view on the bicolor confluence, called Slovak Amazon River, of the rivers directly from the castle and the view on the two other lands which share their borders with Slovakia. Outside and inside of the castle there are archaeological exhibitions and exposition of a Museum of the city Bratislava. There is a mythical legend of the castle too, about elegant slender tower overhanged directly over Danube with a name Maiden Tower. What happed in the tower? Come and visit this magical place and find out.



The Journeymanship of Ancient Warrior Arts and Crafts in Bratislava - Tostabur Espradrones - led by the best fencing master in the central Europe, Peter Koza, will prepare an unforgettable experience that will take you five centuries back to the colorful renaissance era. At the beginning, Peter Koza himself will tell a few words about Renaissance and will show you the way of fencing of that time in many brilliant fencing duels. The performers will keep your eyes entertained with performances of historical dances and will teach you some of them. The ancient art of falconry cannot be missing. The top performance of your historical experience will be the renaissance knights tournament on horses. Four brave knights will fight for the honor of their own and their lovely ladies. They will compete in many disciplines where they will show the strength, steadfastness and commitment. During your whole visit of the castle you will have an option to relax and be served by beautiful Slovak women in the Oriental tent full of tasty food and wine or become the best archer in the historical shooting contest.



In the end of your trip full of living history and beautiful panorama of the Devín Castle the boat will be ready to carry you to Bratislava.

TRIP 2: Driny Cave and Červený Kameň Castle

Visit of the Driny Cave and Červený Kameň Castle associated with wine tasting.

TRIP SUMMARY

program: Driny cave (guided tour) - Červený Kameň Castle (guided tour) - Small Carpathian mountains winery (wine tasting tour)

transport: bus

duration: 5-6 hours (expected return to Bratislava 19:00-20:00)

meal: refreshments and wine tasting

attendance: minimum 50 people, maximum 100 people

additional fee: 15 euro

The trip begins with a 35 minute guided tour in the famous Slovak cave Driny. Driny is a natural limestone cave located in the West Slovakia in the Little Carpathians Mountains. It is located about 2 km southwest of the village Smolenice. The cave's entrance altitude is 399 m and there is a 15-minute uphill walk from the parking lot. The first attempt to enter the cave was made by Prussian soldiers, who camped nearby during the Austro-Prussian War. It was finally explored in 1929, and the first 175-meter route was opened in 1934. The cave was declared a nature monument in 1968 and became a part of the newly designated Little Carpathians Protected Landscape Area in 1976. Today, of the total explored length of 636 m, 550 m are open to the public. During 35 minute tour you will have a chance to explore beauties of this natural sight.



The trip continues to the famous Červený Kameň (The Red Stone) Castle, which is just 25 minutes away from the cave Driny. The Red Stone Castle was specialized in the development of housing culture of the nobility and bourgeoisie in Slovakia. The 60 minute guided tour through the castle is focused on the contemporary furnished castle interiors. The visitors walk through parlors, bedrooms, dining room and a knight's hall, where they can see the expositions of contemporary interior furnishings of nobility since the Renaissance period until the Secession period.

The last stop on the way back to Bratislava will be one of the wineries of the well known Small Carpathian wine region. You will have an opportunity to taste some of the finest wines from the region along with some refreshments.



TRIP 3: Beckov Castle and Trenčín Castle and town

Visit famous castles on the Váh river and beautiful town Trenčín in the Western Slovakia.

TRIP SUMMARY

program: Beckov Castle (guided tour, falconry show and archery school) - Trenčín historical city center (short guided walking tour) - dinner at Hotel Elisabeth

transport: bus, walking

duration: 7 hours (expected return to Bratislava 21:00)

meal: dinner

attendance: minimum 50 people, maximum 120 people

additional fee: 10 euro

The trip will first take you to village of Beckov located in the Western Slovakia. The village is famous for its castle built on a steep high cliff above the Váh river (the longest river of Slovakia) and is a dominant feature on the horizon. The dominance of the rock and impression of invincibility it gives challenged our ancestors to make use of these assets. The result is a remarkable harmony between the natural setting and architecture. Beckov Castle is one of the oldest castles of the former Austro-Hungarian Empire. The first written records of the castle date back to 1208. In 1996 the ruins were reinforced and castle was open to the public. In the castle, you will have a chance to see the remains of rich Gothic and Renaissance decorations, stone water tanks, water well, Gothic staircase in the castle chapel and other interesting historical architectural elements. The castle also features a magnificent view of the slopes of the White and the Small Carpathians.



If you would you like to try archery, you will have a chance at Beckov castle. The trip also includes the falconry show that will give you a remarkable experience and an immediate contact with the birds of prey and a show of their flying skills.



After leaving Beckov Castle our next stop will be the beautiful town Trenčín. The Trenčín castle is a built on the top of a steep rock which dominates the town Trenčín and the region of Považie. The history of the town goes back to the age of the Roman Empire, testified by the inscription on the rock about the victory of the 2nd Roman legion at Laugaricio (the Latin name of Trenčín) in 179 AD. The oldest building is a stone rotunda, plausibly founded in the Great Moravian period, when the castle served as a community center. In the next centuries it became the domicile of borderland commitat, royal and later aristocratic county. In the 13-14th century, the castle became the residence of Matthew III Csak, the legendary 'Lord of the river Váh and the Tatra Mountains'. The water well in the castle is associated with the legend of the Turkish prince Omar and his great love for beautiful Fatima, whom he had to redeem by digging a well in the rock. Today there are exhibition rooms and many museum expositions inside the castle.

On a short guided tour you will explore the downtown of Trenčín. This walk in the historical center will take you to the Executor's House, City Hall, Jesuit Church, and the Synagogue. You will have an option to individually visit the Trenčín Castle up on the hill or try some shopping in the downtown. After the short tour and some free time we will gather for dinner at the Hotel Elisabeth located directly below the medieval castle with the view to the Roman inscription.



TRIP 4: Action Park Čunovo

Plasma Medicine community teambuilding activity in Action Park in Čunovo.

TRIP SUMMARY

program: paintball, rope center, giant swing, long rope lift - refreshments

transport: bus

duration: 5 hours (expected return to Bratislava 19:00)

meal: refreshments and drinks

attendance: minimum 30 people

additional fee: 20 euro

The Action Park is a unique place ready to host the 1st plasma medicine community teambuilding event. The goal of the action is to challenge teamwork, strengthen relationships, and improve communication to increase efficiency and productivity.

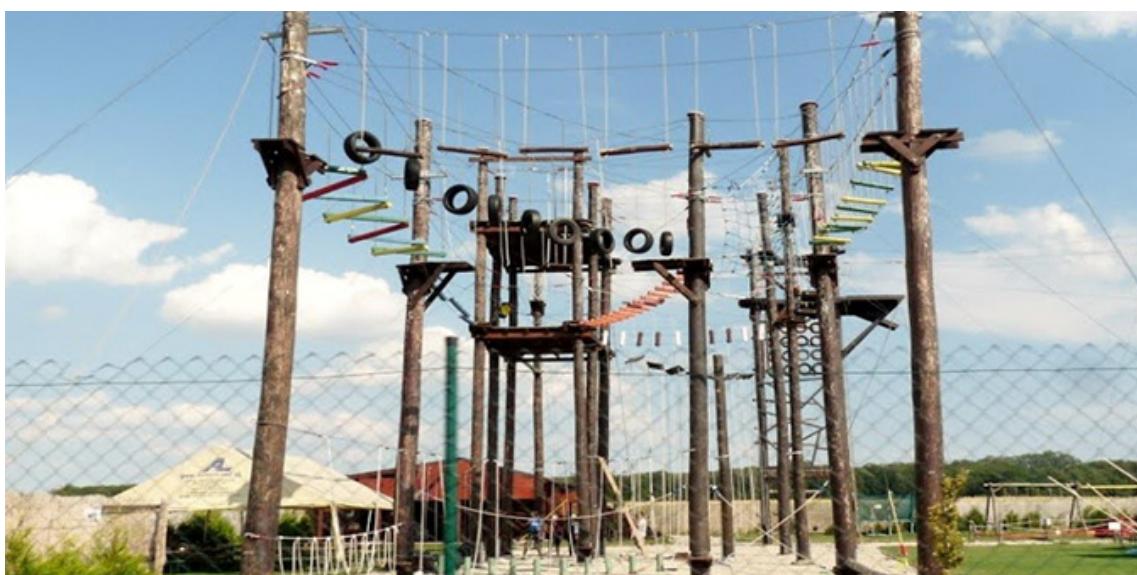


The Action Park is situated in southern part of Bratislava, in town district called Čunovo. On the area of 28 000 m² and the capacity for 1000 visitors it provides 26 fun and adrenaline attractions, and sports grounds. There are more than 110 of team activities. The facility includes various attractions, including rope center, paintball field, and a playground for extreme golf, bungee trampoline, zorbing hill, off-road track and many other activities. Party tents and shelters, buffet, changing rooms, swimming pool and others. This event is especially designed for people who are not afraid to try something bold. You will experience a half-day full of adrenaline and fun.

You will experience a modern action sport called **paintball**, which not only requires speed and fitness but also tactical thinking. Action Park area offers the perfect space for sufficient antics when playing paintball in the form of SWAT military field with an area of 70x55m. Many trenches, shelters and obstacles will make you feel like being on a real battlefield. You can choose from a variety of games such as 'Central flag' (the team must try to carve out a flag from the middle of the field and transfer it to their own base) or 'Convoy' (teams must shoot their way through the whole course and use their bike to transfer to the destination point), or a little easier fight games that last until the last shooting player in a particular team.



After paintball you will be challenged in the **rope park** with 15 obstacles at 8 meters above ground. The ropes are a combination of horizontal and vertical obstacles created by cables, pillars and devices with different difficulty levels.



The brave souls who still look for a dose of adrenaline can experience a free fall on the **giant swing**. This attraction starts jumping from the 12 meter height and continues with 7-meter free fall and swinging for a few minutes. The best course finally comes in the form of an adrenaline 120 meters **long rope lift**. You will enjoy the feeling of freedom and experience a speed up to 40 km/h.

All you need is courage and a relatively good physical shape.
Complimentary drinks and light refreshments on site.

TRIP 5: Bratislava Old Town

Remarkable trip on the tour vehicle through the oldest streets of the city centre.

TRIP SUMMARY

program: sightseeing on a tour vehicle (guided tour, the must-sees of the capital) - walking tour (guided tour, the must-sees of the city centre + Primate's Palace) - dinner at Bratislava Restaurant Flagship

transport: tour vehicle, walking

duration: 4 hours (expected dinner time at Bratislava 18:00)

meal: dinner

attendance: minimum 30 people

additional fee: **0 euro**

This tour on the *Presporacik-Oldtimer* tour vehicle will take you to all the must-sees of the capital. Unique tour vehicle is the only tour vehicle that takes you directly through the oldest streets of the city centre, called the Old Town, to the courtyard of the medieval Castle with a beautiful view of the entire city and its surroundings. From your comfortable seat in the tour vehicle, you will see the legends and most fascinating sites, such as the Grassalkovich/Presidential Palace, Old Town Hall, the Executioner's house; Venturska Street - center of the rich musical life of the city; the beautiful Slovak National Theatre or Slovak Philharmonic.



After the 60 minutes of tour vehicle tour, with a professional commentary in English language, you will take a 2-hour walk in the pedestrian zone of the Old Town. You can follow your guide and take photos of the tourist's most popular sites: Roland Fountain - the oldest fountain in the city; St. Martin's Cathedral, the coronation Cathedral of Hungarian Kings; ancient St. Clare's Church; St. Michael's Gate - the last remaining well-preserved town gate; palaces from the time of Empress Maria Theresa; the Plague Pillar, galleries, museums, churches, etc.



During your walking tour you will have a chance to have a look inside of a Primate's Palace - a neoclassical palace in the Old Town of the capital. In 1805, the Palace's Hall of Mirrors saw the signing of the fourth Peace of Pressburg (Bratislava), ending the War of the Third Coalition. Today, it serves as the seat of Mayor of Bratislava and it is very special to see it from inside. That is why you cannot miss this trip.

It is said that who has never been in Flagship restaurant - does not know Bratislava! You have a great opportunity to finish this amazing afternoon with having a meal in Bratislava Restaurant Flagship. There is a wide choice of Slovak national specialties and a great atmosphere.



Plasma Medicine Award

The Plasma Medicine Award (PMA) is the highest recognition awarded by the International Society for Plasma Medicine (ISPM) for lifetime achievements in the field of the Plasma Medicine. Normally, the PMA is awarded by the ISPM Board to one individual every two years during the International Conference on Plasma Medicine. However, it is at the discretion of the ISPM Board to award the PMA to multiple individuals or to no individual. The following procedure will be used to implement this rule:

1. The ISPM president will request nominations for candidates for the PMA no later than three months before the ISPM Board meeting at the International Conference on Plasma Medicine (ICPM)
2. Nominations will be requested from the entire membership of the ISPM. Nominations need to contain a nomination letter, describing the lifetime achievements of the candidate and a complete curriculum vitae.
3. A first round of voting by the ISPM Board will be conducted before the meeting at the ICPM.
4. Based on the outcome of the first round of voting, the ISPM Board will discuss on its meeting before the ICPM whether the award should be given to none, one, or multiple individuals. The procedure for determining the awardee(s) will be discussed before the ICPM.

Plasma Medicine Award laureate will be announced during ICPM-6 conference. An official award presentation will be held during the ICPM-6 conference dinner.

Young Researcher Award

The Young Researcher Awards will be awarded to young researchers for the best poster and oral presentations. They will be selected by a special committee appointed by the ISPM Board (International Scientific Committee). The total number of awards will depend on the conference sponsors.

Eligibility: Students or young researchers under 35 years.

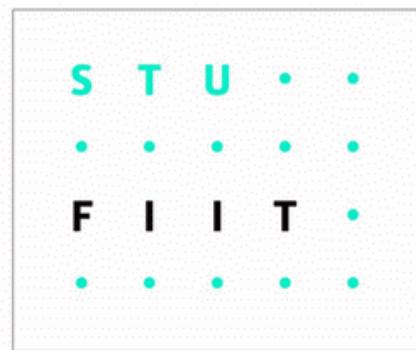
Student Grant

The student grants allocated by the organizers will provide a complimentary student registration to the ICPM-6 conference (valued 250 €) to the students from low income countries. The total number of student grants will depend on the conference sponsors.

Eligibility: Students (student ID required!) with accepted abstracts from the countries with gross domestic product (GDP) per capita below US\$ 10,000 according to the List of International Monetary Fund in 2015.

Conference Venue

The conference will be organized in the joint campus of Comenius University (CU) and Slovak University of Technology (STU) in Mlynska dolina. The conference lectures and poster sessions will take place at the Faculty of Informatics and Information Technologies (FIIT STU), while technical and personal assistance will be provided exclusively by the Faculty of Mathematics, Physics and Informatics (FMFI).

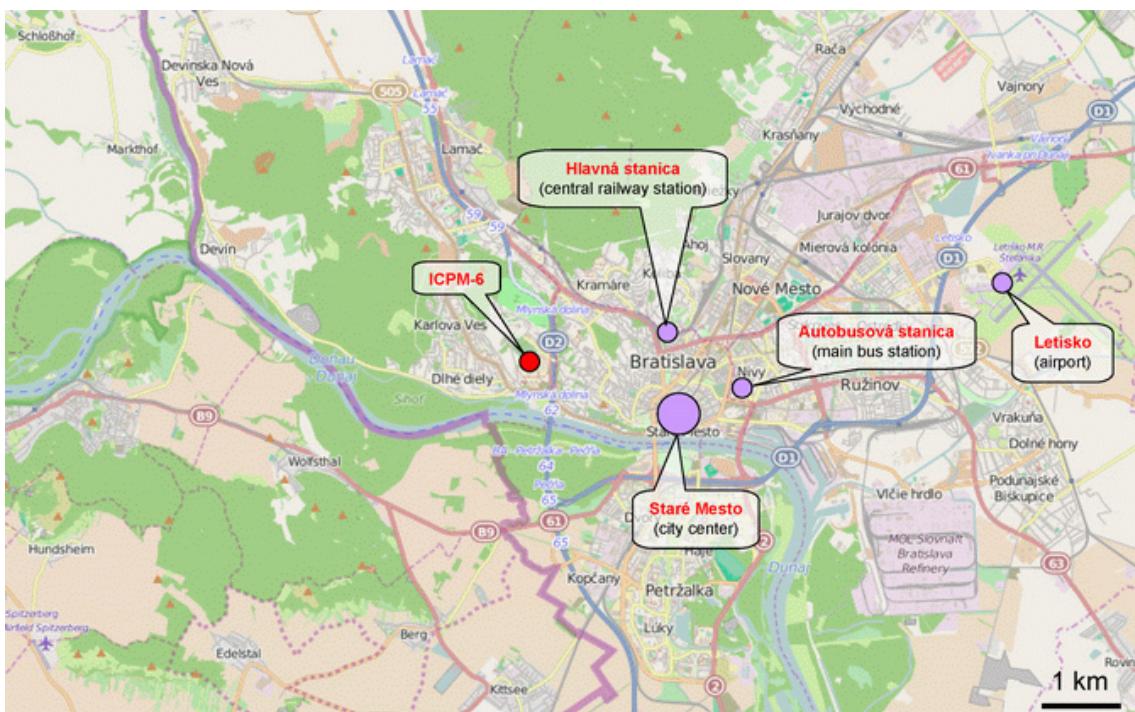


Faculty of Mathematics, Physics and Informatics (FMFI), Comenius University, was established in 1980 when the departments of mathematics, computer science, physics, astronomy, meteorology and geophysics separated from Faculty of Natural Sciences. This event resulted from 40 years of endeavor of several generations of teachers and researchers in mathematics, physics and later also informatics. The Faculty has become a renowned and respected institution both in Slovakia and abroad.



Faculty of Informatics and Information Technologies (FIIT) is one of the seven faculties of the Slovak University of Technology in Bratislava (STU). FIIT SUT covers the very area of informatics and information technologies in both research and education. FIIT is the first faculty in the Slovakia with such mission.





Bratislava

Bratislava is the capital of Slovakia and, with a population of about 500,000, the country's largest city. It is located in southwestern Slovakia, occupying both banks of the River Danube and the left bank of the River Morava. Bordering Austria and Hungary, it is the only national capital that borders two independent countries. Bratislava is the political, cultural and economic centre of Slovakia.



Travel

BY AIRPLANE via VIENNA AIRPORT (VIE)

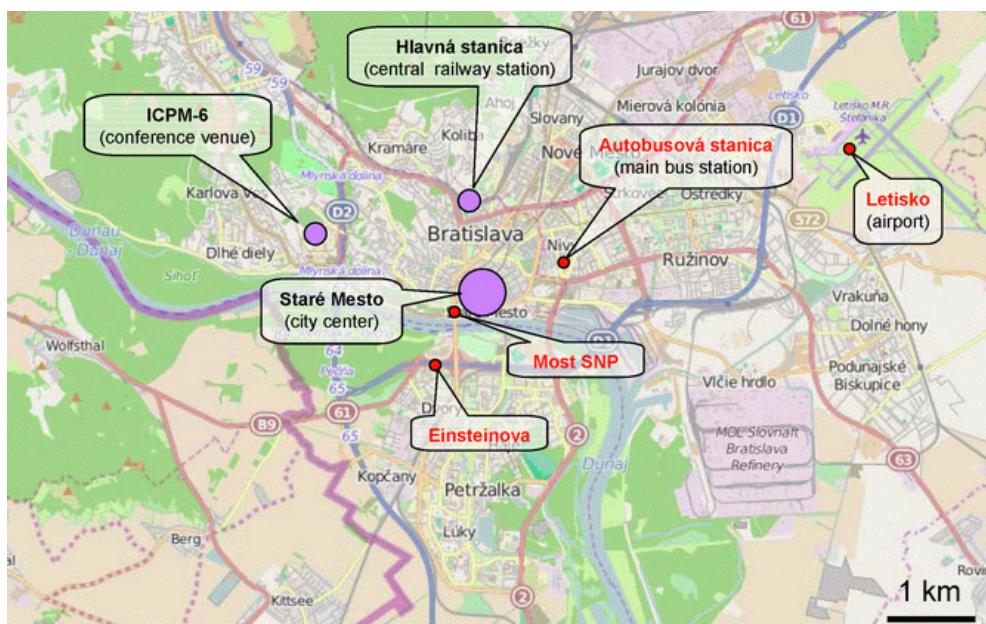
The Vienna airport (VIE) is situated approximately 50 km westwards from the center of Bratislava. The transport from the airport to Bratislava city is very simple, comfortable and lasts approximately 1 hour. Direct and regular bus connection is provided by three bus operators:



The three operators run regular daily service between Vienna city, Vienna Airport, Bratislava city and Bratislava Airport. All operators offer fully air-conditioned buses with free wifi connection on-board, and allow to buy tickets both online or directly at the bus driver. Little differences are in frequency, pricing, comfort and bus stops. **Slovak Lines** offers more flexibility in terms of regularity and flexibility (one-way ticket 7.80 € + luggage 1 €). **Blaguss** is faster and a bit cheaper (one-way ticket 7.50 € including luggage). **RegioJet** operator started its services only recently and at the moment offers the cheapest price on the market (one-way ticket 4 €).

Buses depart daily from 6 a.m. on a frequent basis approximately every 60 minutes (even more frequently during the day and peak hours). The last bus departs after midnight. In general there are more than 50 departures from Vienna airport toward Bratislava in a day. The bus stop at the Vienna airport is located right outside the arrival hall (bus stop #4). In Bratislava, the bus stops at several bus stops depending on the operator:

- **Einsteinova** (Einstein st., the south bank of Danube) all three operators
- **Most SNP** (Bridge SNP, the closest stop to city center) only Blaguss and RegioJet
- **Autobusová stanica** (main bus station) ... only Slovak Lines and RegioJet
- **Letisko** (airport) ... only Slovak Lines and Blaguss



Consult the map prior to your trip to choose the optimal bus stop to get off in Bratislava in order to easily approach your accommodation, conference venue or to change for a connecting tram or a bus.

BY AIRPLANE to BRATISLAVA AIRPORT (BTS).

The Bratislava airport (BTS) is situated at the eastern edge of Bratislava city, approximately 6 km from the centre of Bratislava. There is a regular bus transport (bus #61) from the airport (**Letisko**) toward the city center with the terminal bus stop at the central railway station (**Hlavná stanica**).

BY TRAIN to BRATISLAVA, HLAVNA STANICA.

The central railway station (**Hlavná stanica**) is located in the northern part of the city, close to the city center. It is the main station for trains, but also the terminal station for many city buses, trams and trolleybuses. The station has a direct international connection with Prague, Vienna, Budapest, Berlin and even other cities and countries around the Europe. If you plan to come to Bratislava by a train, you may plan your trip via cp.atlas.sk/vlak/spojenie website.

PUBLIC TRANSPORT in BRATISLAVA CITY.

Bratislava has public transport line system of buses, trams and trolleybuses, which convey at regular intervals according to pre-defined timetables. Most of the line stops of the public transport are comprehensively marked including the name of the stop, and the timetable with a list of all its destinations. If you want to plan your journey in Bratislava city, we recommend you to do it via imhd.sk website. You can find schedules of all city buses, trams and trolleybuses here as well as **transport map** and many other valuable information.

In case you want to travel to the conference venue select **Botanická záhrada** or **ZOO** as the destination of your journey. The search result will indicate you what bus/tram number(s) to take, the duration of the journey and the price of the travel ticket. Basic travel ticket valid for 15 minutes costs 0.70 €, while the ticket valid for 30 minutes costs 0.90 €. You can buy a travel ticket in yellow coin-operated machines that are usually located at each bus/tram stop. You cannot buy the ticket from the bus driver. You must mark the ticket immediately after getting on the tram/bus in the nearest ticket marker devices located inside the vehicle by every door.

Visa

Slovakia is the member country of the European Union and the part of the Schengen Area. EU/EEA/Swiss Confederation citizens do not require the visa to enter the Schengen Area. Non-EU citizens generally need the Schengen visa. The countries whose citizens are required to obtain a Schengen visa in order to enter one of its member countries are listed on www.schengenvisainfo.com/who-needs-schengen-visa.

Visa is not required for semi-annual visits of up to 90 days for nationals of those countries for which the European Community has abolished the visa requirement. More detailed information about how to obtain the Schengen visa can be found on the web page of the Ministry of Foreign and European Affairs of the Slovak Republic (www.mzv.sk/web/en/consular_info/visa) or Migration Information Centre (mic.iom.sk/en/residence/visa/228-schengenske-viza-na-vstup-do-sr-2.html).

As part of the visa application process, participants may be requested to submit a Letter of Invitation from the conference organizers. The letter can also be requested by your university for administrative purposes. The Letter of Invitation is an official document that confirms a registration payment and extends an official invitation to the paid registrant to attend and participate in the ICPM-6 conference. It provides the participant with an official reason to come to Slovakia.

In order to qualify for a Letter of Invitation, a person must meet two criteria:

1. Must be a registered participant or the author of an accepted abstract.
2. Must pay the conference registration fee.

Under no circumstances the organizers will issue a Letter of Invitation to any interested party who has not met the two criteria listed above.

The Letters of invitation will be sent by email as a PDF attachment or physically via air mail to the place of residence or place of work, if requested by the participant.

All questions/concerns regarding the status of your visa should be directed to the Embassy of Slovakia or nearest Consulate of Slovakia in your home country. The organizers are neither obliged nor authorized to assist the visa application process beyond providing a Letter of Invitation.

Under the applicable law, the visa application procedure should not take longer than 15 days, in exceptional cases the decision may take up to 60 days. In some cases, however, the procedure may be lengthy. Therefore, we do recommend the participants to submit the visa application well in advance and even contact the embassy or consulate for further details and time deadlines.

Accommodation

Bratislava offers a wide variety of an accommodation. Hotels and hostels are located both in the city center as well in suburban areas. There are not many of them in close vicinity of the conference venue, however, the conference venue is only 2 km away from the city center (Staré Mesto) and can be easily and comfortably reached within 10 minutes by a public transport (tram, bus).

To find a suitable accommodation we recommend the participants to try various online booking websites, e.g. booking.com, hotels.com, tripadvisor.com, etc. Bratislava is visited by many tourists through the year,

especially in the summer period. In addition, Slovakia will preside the European Union starting July 2016, which may negatively affect the availability of hotel rooms. Therefore we encourage the participants to book their accommodation well in advance.

The organizers do not provide accommodation for participants and do not reimburse any travel expenses. The participants are expected to make their own arrangements.

Booking.com
trivago[®]

 Hotels.com
 MEGAUBYTUVANIE.SK

 tripadvisor[®]
 UBYTUJSK[®]
Ubytovanie pod jednou strechou

Sponsors and Exhibitors

The conference organizers propose several possibilities to partner or sponsor the conference and enable company exhibits. An overview of the possibilities is in the tables below. We encourage you to consider exhibitor/partner registration packages that offer advantageous prices. If your company/organisation is interested in supporting the conference in a specific or a more general way, please contact us **before June 1, 2016**.

Thanks to the multidisciplinary character of the conference, we especially encourage the manufacturers/distributors of various cold plasma sources and plasma jets, (pulsed) high voltage power supplies, all sorts of optical, laser, spectroscopic and other analytical instruments, medical instruments and diagnostics devices, electroporators, sterilization, decontamination and food processing technologies, and pharmaceuticals to come, exhibit, support the conference and get valuable attention of scientists and clinicians. Publishing houses of scientific literature in the areas of physics, medicine, biology, biochemistry, pharmacy, agriculture, and food technology are also very welcome to promote their journals and books.

Please note that the welcome reception, all coffee breaks and poster sessions will take place in the main hall of the conference venue adjacent to the lecture rooms. Exhibitors will definitely receive constant attention from the conference delegates.

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