

3rd Circular



**23rd INTERNATIONAL CAVE BEAR SYMPOSIUM
(ICBS 2017)**

a symposium to be held at

**LIPTOVSKÝ MIKULÁŠ, SLOVAKIA
4th – 7th of October, 2017**

Organized by

Department of Geology & Palaeontology, Comenius University in Bratislava

Slovak Museum of Nature Protection and Speleology in Liptovský Mikuláš

State Nature Conservancy of the Slovak Republic – Slovak Caves Administration in Liptovský Mikuláš



Supported by

Ministry of Environment

&

Ministry of Education, Science, Research and Sport of the Slovak Republic

Dear Colleagues and Friends of Cave Bear Symposium!

It is a great honour to invite you to the 23rd International Cave Bear Symposium in Slovakia and introduce a part of our beauty spots in the heartbeat of Europe to you. In 2017, we also commemorate the 40th anniversary of the demise of Ján Volko-Starohorský, one of the founders of the Slovak Museum of Nature Protection and Speleology.

We believe that our symposium will not be only an important gathering of experts on cave bears and Quaternary fauna from the whole Europe, but also an important social and cultural happening. The entire Organization and Scientific Committee is cordially looking forward to meeting you.

ORGANIZING AND SCIENTIFIC COMMITTEE

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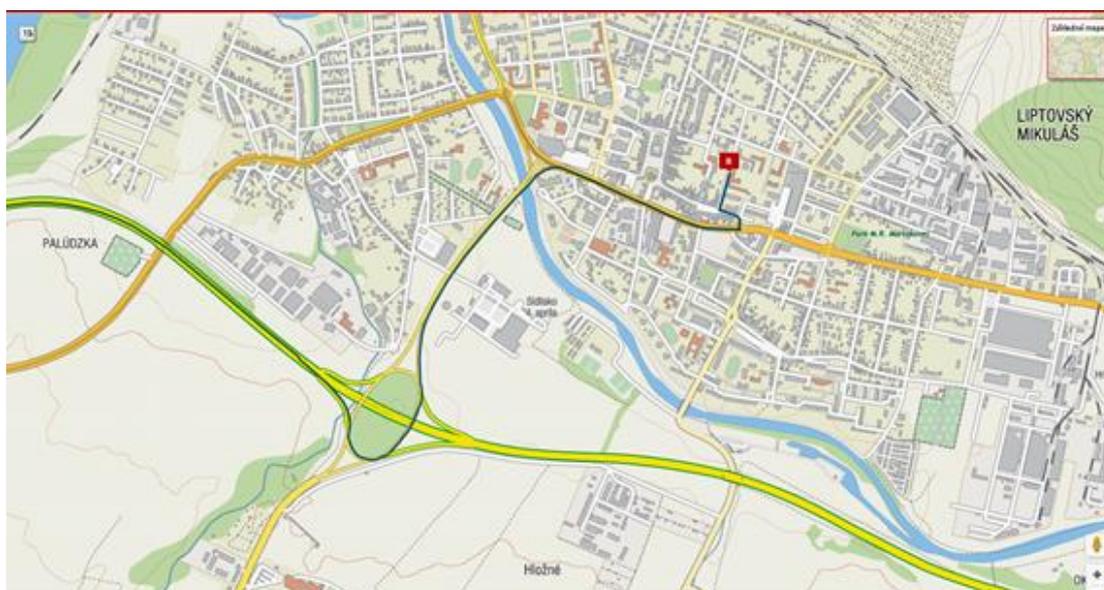
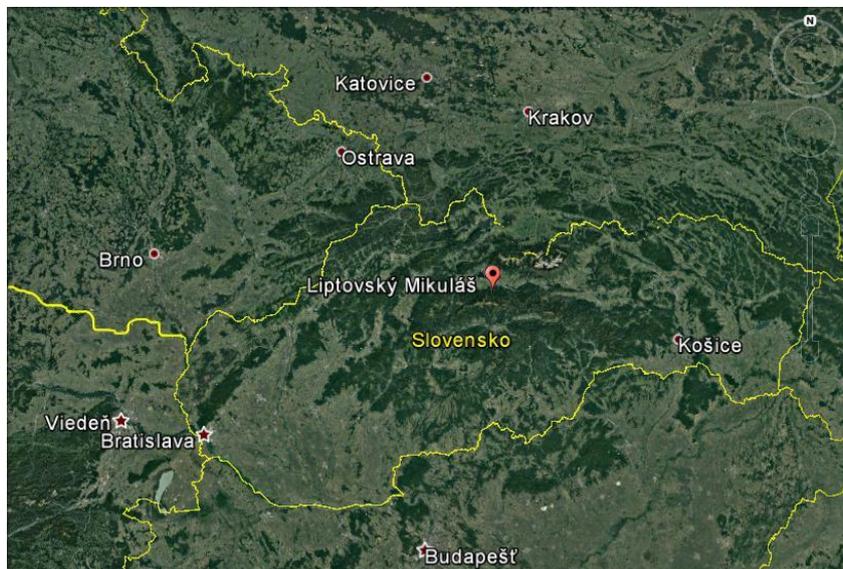
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AND THE COMMITTEE HONORARY MEMBER

emer. o. Prof. Dr. Gernot RABEDER
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VENUES

The conference will be hosted by the Slovak Museum of Nature Protection and Speleology in Liptovský Mikuláš (<http://www.smopaj.sk/en>), located on Školská Street No. 4.



HOW TO GET THERE

Liptovský Mikuláš is a town situated in northern Slovakia and is easily accessible by trains and busses or airplane via Bratislava International Airport (<https://www.bts.aero/en/>). There is a direct train/bus connection from Bratislava (Capital City of Slovakia) to Liptovský Mikuláš (<http://jizdnirady.idnes.cz/vlakyautobusymhdvse/spojeni/>; <http://cp.atlas.sk/bus/spojenie/>). If you travel by car, Liptovský Mikuláš is situated directly on D1 highway.



D1/R1 motorways in Slovakia. D1 motorway starts in Bratislava and passes through the cities of Trnava, Trenčín, Žilina, and Liptovský Mikuláš, from where it continues to eastern Slovakia. R1 motorway goes from Bratislava through the cities of Nitra, Zvolen, Banská Bystrica and behind the city of Ružomberok, it connects with the D1 motorway (the green parts of motorways are under construction while the red parts are planned to be construct). **Information for drivers:** Slovakia has zero tolerance towards alcohol by all drivers. The speed limit on the roads in town/village is 50 km/h, out of town/village 90 km/h, and on the motorway 130 km/h.

ACCOMMODATION

A common accommodation for all symposium participants is booked in **Hotel Klar***** (<http://www.klar.sk/en/home/>) located on 1. mája Street No. 1741/117 in Liptovský Mikuláš. The price of accommodation is 20 € per person per night for both single and double rooms, including also breakfast.

Additional information: If you do not wish to be accommodated in Hotel Klar, there are still many other types of accommodation facilities in Liptovský Mikuláš, e.g. hotels, guest houses or private apartments, with the price per person and night ranging from 10 € to 50 €. Detailed offers for accommodation in Liptovský Mikuláš can be found on the website <http://www.booking.com> and <http://www.lacnebytovanie.sk/?lang=en&country=sk> where is a wide choice of accommodation either directly in the town of Liptovský Mikuláš or in its vicinity.



KLAR
★★★HOTEL

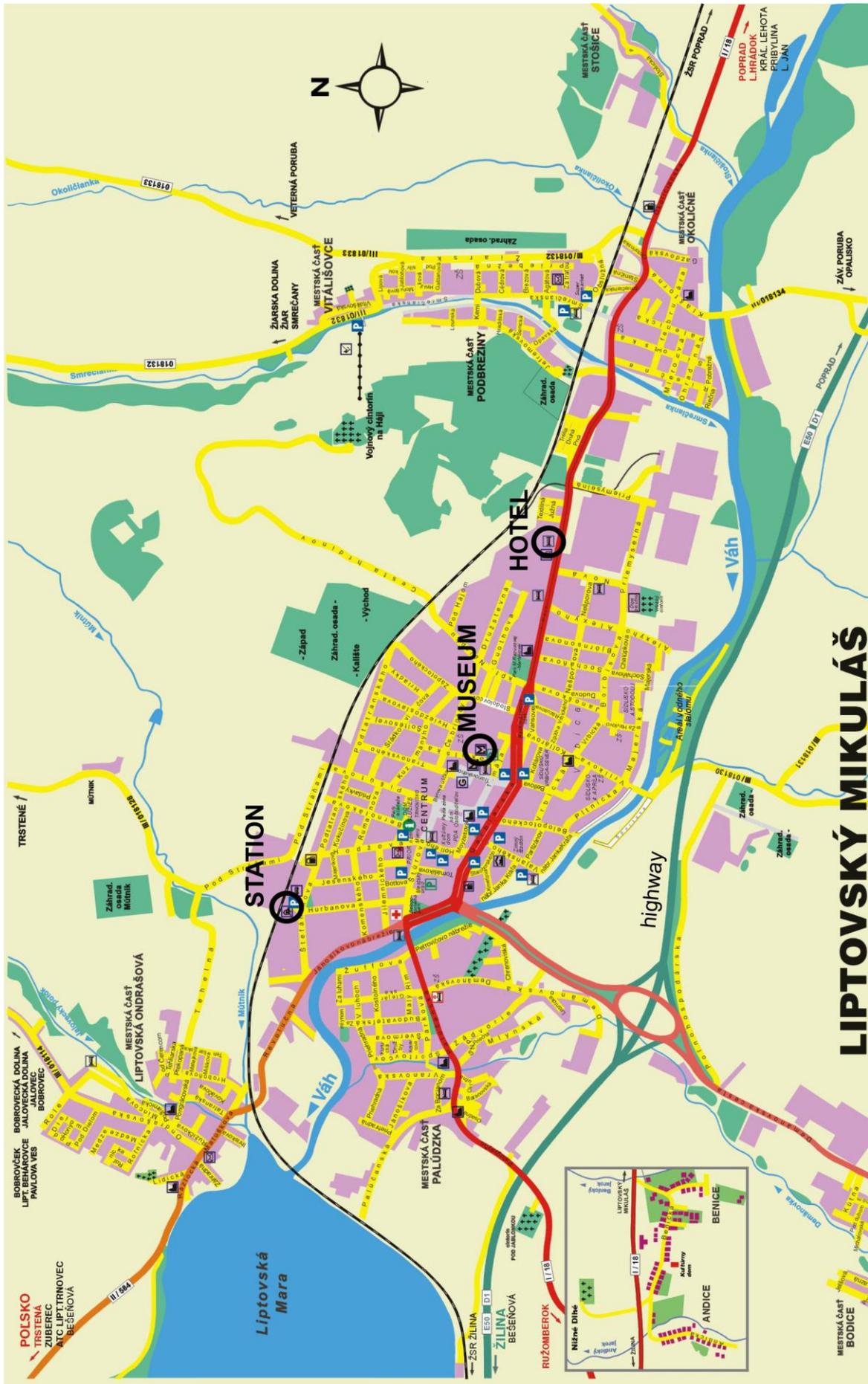


CLIMATE AND CLOTHING

During October, weather in the Liptov region is more or less stable, especially in the first half of the month, characterized by the time of Indian Summer. There is also a possibility of rain; however, long-running and heavy rainfall is not expected. The temperature may range from 5 – 10 °C during the night to 10 – 20 °C during the day. Occasionally, ground frosts may also occur, especially in the evening (night) or early in the morning.

Hiking boots, light unit and helmet are necessary for visit to the Okno Cave in the Demänová Valley and to the both caves in the in the Janská Valley, where we also recommend a cave- or hiking clothing. In two places during our cave tour (in the Okno Cave and in the Medvedia Cave), it will be necessary to bend and crawl through few short narrow passages. All three caves lack electric lighting and their air temperature does not exceed 6 °C.

No special clothing and accessories are needed when visiting the Demänovská Ice Cave, but we recommend you to take warmer clothes. This cave is a show cave with a concrete walkway and electric lighting. Its air temperature ranges from 0 °C to 3 °C.



PRE-FINAL PROGRAM

1st day (4th of October 2017, Wednesday) – Arrival day

Accommodation of the participants and free programme till the Opening Ceremony. There is a possibility to visit the town of Liptovský Mikuláš or the Slovak Museum of Nature Protection and Speleology.

15:00 – 17:00 Registration of the participants in the museum (street: Školská 1124/4, Liptovský Mikuláš) and the free admission to museum expositions.

17:00 Opening Ceremony of the symposium with friendly welcome of colleagues and toast in the host museum;

Opening presentations: **“87 years of the Slovak Museum of Nature Protection and Speleology in Liptovský Mikuláš”** (Dana ŠUBOVÁ);

Documentary: **“Ján Volko-Starohorský – An eminent personage of speleology and nature protection in Slovakia.”**;

Information on the Pre-Conference Excursion Day;

Cave Lion Exhibition Opening & Demonstration of fossil record from the Demänovská Valley caves and the Medvedia Cave.

2nd day (5th of October 2017, Thursday) – Pre-Conference Excursion Day¹

09:00 – 16:30 Transport by cars to the Demänovská Valley and the visit of the **Demänovská Ice Cave** (<http://www.ssj.sk/en/jaskyna/5-demanovska-ice-cave>) (morning) and the **Okno Cave** (afternoon) (see also “Climate and Clothing” information);

Alternative program instead of the Okno Cave visiting: Karst Phenomena of the Demänovská Valley – an easy trip along the Demänovka River in the lower karstic part of the Demänovská Valley with a possibility to enter the non-accessible part of the Demänovská Jaskyňa Slobody Cave (a helmet and light unit are needed there).

15:30 – 17:00 Common Dinner/Refreshment in the Riverside Restaurant located below the Demänovská Ice Cave (not paid by the organizers);

18:00 Demonstration of the fossil record from the Okno Cave in the depository of the Liptov Museum (optional).

¹ The excursion participants will get a snack package in the morning.

3rd day (6th of October 2017, Friday) – Day of Presentations

- 08:00 – 09:00 Registration of the participants
- 09:00 – 10:20 1st Plenary Session in the Presentation Hall of the Slovak Museum of Nature Protection and Speleology – **Recent Advances in Cave Bear Research**
- 09:00 – 09:20 Barlow A.: **Recent advances in cave bear genomics**
- 09:20 – 09:40 Alberti F., Gonzalez J., Pajmans J. L. A., Basler N., Preick M., Henneberger K., Trinks A., Fritsch G., Hildebrandt Th., Rabeder G., Münzel S. C., Joger, U., Hofreiter M. & Barlow A.: **Optimising DNA recovery from cave bear bones**
- 09:40 – 10:00 Fortes G. G., Grandal-d’Anglade A., Kolbe B., Fernandes D., Meleg I. N., García-Vázquez A., Pinto-Llona A. C., Constantin S., de Torres T. J., Ortiz J. E., Frischauf Ch., Rabeder G., Hofreiter M. & Barlow A.: **Insights into bear behaviour from aDNA data**
- 10:00 – 10:20 Terlato G., Romandini M., Nannini N., Peresani M. & Bocherens H.: **Cave bear (*Ursus spelaeus*) extinction in Northeastern Italy: anthropic impact, stable isotope evidence and extinction chronology**
- 10:20 – 10:40 Coffee Break
- 10:40 – 12:00 2nd Plenary Session in the Presentation Hall of the Slovak Museum of Nature Protection and Speleology – **Recent Advances in Ursid Research**
- 10:40 – 11:00 Pacher M. & Keller Th.: **New Ursid remains from the Mosbach Sands, Germany**
- 11:00 – 11:20 Conti J., Bellucci L. & Sardella R.: **The earliest occurrence of *Ursus arctos* in the Middle Pleistocene of Italy and its coexistence with *Ursus deningeri* in the site of Fontana Ranuccio (Anagni basin, central Italy)**
- 11:20 – 11:40 Marciszak A., Schouwenbourg Ch. & Gornig W.: **What in fact was the steppe brown bear *Ursus arctos priscus* Goldfuss, 1818?**
- 11:40 – 12:00 Wagner J., Jiangzuo Q. & Liu J.: **Revision of early Asiatic black bear (*Ursus thibetanus*) – its morphological, phylogenetical and taxonomical results**
- 12:00 – 13:30 Lunch (some dining facilities can be found in the vicinity of the museum)
- 13:30 – 14:50 3rd Plenary Session in the Presentation Hall of the Slovak Museum of Nature Protection and Speleology – **Recent Advances in Carnivore Research I**
- 13:30 – 13:50 Pajmans J. L. A., Barlow A., Henneberger K., Döppes D. & Hofreiter M.: **Wolverine population dynamics since the Late Pleistocene based on ancient mitogenomes**
- 13:50 – 14:10 Westbury M., Hartmann S., Barlow A., Heller R., Preick M., Fang L., Zhang G., Ludwig A., Ridush B., Nagel D., Rathgeber Th., Ziegler R., Baryshnikov G., Sheng G., Wiesel I., Dalen L. & Hofreiter M.: **Ancient nuclear genomes unravel the evolutionary history of *Crocuta crocuta***
- 14:10 – 14:30 Káňa V. & Roblíčková M.: **Moravian Karst Cave Lion – Population on the Crossroad. What we know about it?**
- 14:30 – 14:50 Krajcarz M. T., Krajcarz M. & Bocherens H.: **Collagen-collagen prey-predator isotopic enrichment – a study of a subfossil red fox den**
- 14:50 – 15:10 Coffee Break

15:10 – 16:10 4th Plenary Session in the Presentation Hall of the Slovak Museum of Nature Protection and Speleology – **Recent Advances in Carnivore Research II**

15:10 – 15:30 Münzel S. C., Baumann Ch., Albrecht G., Bauer C. C. & Bocherens H.: **A possible Magdalenian dog from Gnirshöhle near Engen (Hegau, SW-Germany)**

15:30 – 15:50 Roblíčková M., Nývltová-Fišáková M. & Káňa V.: **Last Glacial mammalian assemblage from Barová Cave – New findings**

15:50 – 16:10 Čeklovský T.: **The “SMOPaJ” fossil collections of the Pleistocene large carnivores**

16:10 – 16:30 Photo Break (a common photo of the symposium participants in the museum)

16:30 – 17:30 **Poster Presentation**

Baca M., Baca K. & Popović D.

Preliminary results of *Microtus* ancient DNA project

Baumann Ch., Drucker D. G., Münzel S. C., Starkovich B. M., Bocherens H. & Conard N. J.

Of foxes and humans – An isotopic study about their Interaction during the Upper Paleolithic of the Swabian Jura (Germany)

Gretzinger J., Reiter E., Urban Ch., Bocherens H., Sabol M., Schuenemann V. J. & Krause J.

Genetic analysis of a cave bear-morphotype specimen from Prepoštská Cave, Slovakia featuring carnivorous-like isotopic signature

Kanta N., Kavcik-Graumann N., Lindenbauer J., Pacher M. & Rabeder G.

A new hyena cave in St. Margarethen (Burgenland, Austria)

Knaus T., Schopf B., Frischauf Ch., Kavcik-Graumann N. & Rabeder G.

The cave bears from Schlenken-Durchgangshöhle (Schlenken passage cave, Osterhorn massif, Salzburg, Austria)

Krajcarz M., Krajcarz M. T., Wojtal P. & Bocherens H.

Intra-individual and inter-sex isotopic signature ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) of cave bear dentine collagen

Krajcarz M. & Krajcarz M. T.

Post-depositional bone destruction in cave sediment – a case of Lower Weichselian cave bear strata in Biśnik Cave, Poland

Marciszak A., Ratajczak U., Gornig W., Słupińska M., Polok M., Zygmunt J., Tyc A. & Stefaniak K.

Late Pleistocene faunal assemblage from Niedźwiedzia Górna Cave (southern Poland)

Marciszak A., Schouwenbourg Ch., Lipecki G., Gornig W., Káňa V. & Roblíčková M.

Steppe brown bear *Ursus arctos priscus* Goldfuss, 1818 - huge scavenger of Late Pleistocene grasslands paleocommunities

Nagel D., Kavcik-Graumann N. & Rabeder G.

Subtropical steppe inhabitants in the Late Pleistocene cave faunas of Eastern Middle Europe

Plichta A., Roblíčková M. & Káňa V.

Morphometrical analyses of cave bear populations from Barová Cave in Moravian Karst (Czech Republic)

Rabeder G., Döppes D., Frischauf Ch., Kavcik-Graumann N., Kromer B., Lindauer S., Ronny F. & Rosendahl W.

Extinction Pattern of Alpine Cave Bears New data and climatological interpretation

Rossi M. & Santi G.

The metapodia and phalanges of the cave bear from Buco dell'Orso (Laglio, Lombardy, n. Italy): a single population or more populations?

Rossi M., Zorzin R. & Santi G.

Cave bears in the Veneto region (n. Italy): the state of the art

Sabol M., Petrovič V. & Šurka, J.

A juvenile skull of cave hyena from the Jasov Cave

Santi G. & Rossi M.

Evolutionary degree of cave bear from the Grotta del Bandito (Cuneo-Piedmont, n. Italy)

Schirolli P., Rossi M., Santi G., Caserini E., Huld S. & Casali Casali D.

A new Pleistocene mammal fauna from Botticino area (Brescia-Lombardy, n. Italy). Preliminary remarks

Taron U. H., Dragusin V., Vasile S., Preick M., Hofreiter M. & Pajmans J. L. A.

Ancient DNA from Canids

17:30 "Our Thanks" & Concert

Information on the Post-Conference Excursion Day and common transfer to the restaurant

19:00 Symposium dinner (Route 66, Liptovský Mikuláš)

4rd day (7th of October 2017, Saturday) – Post-Conference Excursion Day²

09:00 – 15:00 Transport by cars to the Jánska Valley and visiting of the **Medvedia Cave** (Bear Cave) and the **Malá Stanišovská Cave** (<http://www.stanisovska.sk/fotogaleria>) (see also "Climate and Clothing" information);

Alternative program instead of the Medvedia Cave visiting: the main passage of the **Stanišovská Cave** (a helmet and light unit are needed there).

15:00 – 18:00 "Banquet in Nature" and ceremonial closing of the symposium nearby the Malá Stanišovská Cave.

² The excursion participants will get a snack package in the morning.

TECHNICAL INFORMATION

A technique suitable for Power-Point presentations will be available. In case you need another technique such as slide projector or others, please let us know directly to sabol@fns.uniba.sk. Duration of the presentation is scheduled for 20 minutes including 5 minutes of discussion.

Oral presentations should be given in English (official language of the symposium, no simultaneous translation will be available), poster presentations will take place in the same building.

Maximum size of posters is A1 (ca. 90 x 60 cm). All posters will be presented briefly during the "Poster presentation".

FEES

The **conference fee** is 50 Euros (40 Euros for students). The payment will be realized directly at the desk (in cash) in the museum during the registration.

The fee includes:

- Entry to all congress presentations
- Entry to the caves
- A set of conference literature together with the symposium proceedings

The fee includes also a contribution towards the expenses for all refreshments (refreshment during the Opening Ceremony and refreshments and coffee during breaks on the day of presentations), for the Symposium dinner, and for the box lunch on the excursion days.

Conference fees are to be paid at the symposium office at your arrival.

FULL PAPERS

Participants of the symposium can publish their full papers after peer review in a special post-conference volume of the scientific journal **SLOVENSKÝ KRAS – ACTA CARSOLOGICA SLOVACA**, with the papers submission deadline before the symposium begins or at the latest, in the course of the symposium. The English instructions for authors are listed below.

INSTRUCTIONS FOR AUTHORS OF ARTICLES IN SLOVENSKÝ KRAS – ACTA CARSOLOGICA SLOVACA

For the submission of full papers in the “Slovenský kras” speleological journal, the Editorial Board requires a structure of manuscripts as follows:

Title of the article must to be brief and eloquent, max. 12 words.

Full first name and surname of the author(-s)

Abstract max. 150 words – brief problems mentioned in the article.

Key words max. 10 word expressions that truthfully characterize the article content.

Introduction

Main text of the article

Conclusion

Acknowledgements

Literature: Please, cite the used literature as follows:

Journal article example

MICHALÍK, J. 1997. Tsunamites in a storm-dominated Anisian carbonate ramp (Vysoká Formation, Malé Karpaty Mts. Western Carpathians). *Geologica Carpathica*, 48, 4, Bratislava, 221–229.

Volumes in edited series

BELLA, P. – BRAUCHER, R. – HOLEC, J. – VESELSKÝ, M. – PRUNER, P. – BOŠÁK, P. 2014. Geochronology of the Domica – Baradla cave system (Slovakia, Hungary) based on cave sediment dating. In Bučová, J. – Puškelová, Ľ. (Eds.): Environmental, Sedimentary & Structural Evolution of the Western Carpathians. Abstract Book, 9th ESSEWECA Conference (November 5 – 7, 2014, Smolenice, Slovakia). Geophysical Institute, Geological Institute, Slovak Academy of Sciences, Bratislava, 7–8.

Books, Dissertations, and Theses

LYMAN, R. L. 1994. Vertebrate Taphonomy. *Cambridge University Press*, Cambridge, 524 p.

LEŠINSKÝ, G. 2005. Speleological research of southern part of the Slovak Karst. Final report, Slovak Museum of Nature Protection and Speleology, Liptovský Mikuláš, 62 p.

Address of the author(-s). If authors are employed in several institutions, there are stated all addresses and contacts.

Summary (studies and scientific reports) in English language – it will be translated to Slovak language by Volume Editors; it summarizes all main ideas and results stated in the article.

Appendix – figures, graphs, tables, maps, and photos are indicated as Fig. Graph, Table, Map, Photo, and by their serial numbers. It can be also marked a figure orientation with an arrow, and authors in photos. Captions in English language will be accompanied by Slovak

translation (translated by Editor). Figures of sufficient resolution (min. 300 dpi) are requested.

Articles are more or less limited by extent of 20 norm pages (A4) including attachments (these can be coloured), but their larger extent is also accepted. Articles should be submitted by e-mail (see below) in the Word text editor (.doc, .docx). Text of a manuscript should be written in vertical spacing 2, with type no smaller than 12-point font (Times New Roman) size, and the right margin must not be aligned. Unasked manuscripts and their attachments are not returned to their authors.

The Editorial Board reserves the right to return the article for rewriting, or to refuse the article in non-compliance of these instructions. The Editorial Board also reserves the right to edit citation of literature in non-compliance of instructions. Content and quality of articles are reviewed. Names of reviewers are / are not mentioned after articles according to their instructions.

Deadline for the manuscript submission is before the 4th of October, 2017

Please, send your manuscript(-s) in English language to sabol@fns.uniba.sk and to peter.holubek@smopaj.sk

FURTHER INFORMATION

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We are very truly looking forward to meeting you in Liptovský Mikuláš!