

40th IIS Anniversary



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

21-28 AUGUST

ATHENS-KALAMOS 2005

**FINAL PROGRAMME
&
CALL FOR ABSTRACTS**



21-28 AUGUST
ATHENS-KALAMOS 2005

**Dear "Lovers of caves",
Friends, Colleagues and Speleologists**

The Athens Olympic Games in August 2004 will be followed by an equally memorable event, the International Congress of Speleology, in August 2005.

The **Hellenic Speleological Society** and the **Hellenic Federation of Speleology**, in collaboration with the Ephorate of Paleoanthropology and Speleology of the Ministry of Culture, are organizing and inviting you to participate in the 14th UIS International Congress of Speleology (ICS).

This event will take place on **August 21-28, 2005 in Athens, Greece**. It will include all types of scientific, exploration, entertainment and social activities. **All subjects and activities of interest to caves and karst are welcome at the 14th International Congress of Speleology, for paper presentations, exploration reports, caving techniques, speleo equipment, films, media, art, and more.** There will be meetings, conferences, exhibitions, photo contests, leisure events, touristic visits and many excursions to explore and tour caves, archaeological sites and other attractions; and of course, you will enjoy the sea and the beaches.

Athens has a new look after the 2004 Olympic Games: new transport means, accommodations, and conference, athletic, and cultural facilities, all of which shall be available to make the 14th ICS a successful event. August is the perfect month to combine holidays on the beaches or the mountains with caving all over Greece and in neighbouring countries. The Balkans are well known for their karst.

In August 2004 the Olympic games were held in Athens and in August 2005 "the Olympic games of Speleology" will take place.

An exciting variety of pre- and post- congress excursions, explorations and tourist trips and visits are organized (full details on the web-site). With more than 10,000 recorded caves, Greece still has many unexplored ones that are awaiting for eager speleologists. All types of karst are found throughout the mainland and islands.

We expect you to attend the 14th Congress in Athens, in August 2005, to inform and be informed about speleological finds, activities, explorations, research, equipment, photos, maps, and films, from all over the world.

We call on you to register early, to take advantage of the registration reductions, to stay informed of all the activities, and we welcome any suggestions you may have for the Congress (more details in the website).

The Organizing Committee and all Greek speleologists await you in 2005 for the best Congress ever!

**The ORGANIZING COMMITTEE of the
"14th International Congress of Speleology"**



14th

INTERNATIONAL CONGRESS of SPELEOLOGY



Union Internationale de Speleologie

The fortieth year of the International Union of Speleology, the Hellenic Speleological Society, together with the Hellenic Federation of Speleology, are organizing the 14th International Congress of Speleology. The event will take place in Athens-Kalamos and will enjoy the support of the Hellenic Ministry of Culture.

The choice of Greece to host the UIS congress is in some ways a tribute to the memory of Yiannis and Anna Petrochilos' for their contribution to the development of Greek speleology, whereas Athens has been chosen because of the means available, as a result of the preparations for the Olympic Games of 2004.

In this unique country where history is paralleled by mythology, caves are an integral link to the past. The majority of these caves house registers of Western history, whether situated under the Acropolis of Athens or scattered throughout the country, including those in the interior of the country, along the coast, and on the islands. Many of these caves have been preserved as archaeological or paleontological sites, while others are exploited for tourism, but most of them have probably not been discovered and explored yet, even by the Greek community of speleologists.

Athens is more than 3000 years old, but it is totally adapted to the comforts of modern times. While walking around the Acropolis we return to the past, but when riding the modern subways, we have a view of the future. A visit to the Akademia, with its busts of Aristotle, Plato, Pythagoras and so many other Greeks who played such important roles in the history of the world, we find ourselves to be part of the development of the history of the Western world. The mixture of Greek and Latin script on the many signs spread around the city cast a unique visual spell. Greek cuisine, whether seafood, meat, vegetables or fruit, is always rich and spicy, especially certain typical dishes. The many welcoming bars, restaurants and hotels, as well as the fascinating parks and museums and the intriguing possible trips around the region, complete the agenda for the pleasure of the congress participants.

This, largest and most important event in world speleology unites scientists, specialists, explorers, students, and enthusiasts from more than 50 countries from all the continents. Speleology will be discussed from various points of view: scientific, technical, cultural and economic. Papers from all areas of knowledge related to speleology will be welcome and accepted. Space for all kinds of exhibits and demonstrations will be organized and can be required.

The pre- and post- congress programmes, as well as the one-day excursions will provide an opportunity for the congress participants to visit some of the speleological, cultural and scientific heritage sites of this fascinating Mediterranean country. Parallel touristic programs will be arranged for those accompanying the participants, and numerous cultural activities are planned to fill the evenings during the week of the congress.

At this great scientific and cultural festival, you will have a chance to exchange ideas and stories with speleologists from around the world as well as comparing methods and following up on new discoveries. But, above all, you will be part of the international speleological community and help strengthen the ties of international speleological relations as well as increasing the fraternity among speleologists from the whole world.

The International Union of Speleology, in conjunction with the Organizing Committee of the 14th International Congress of Speleology, is proud to invite all speleologists on the planet to meet in the country which gave birth to the Olympic Games to celebrate together the fortieth birthday of the UIS.

The presence of all who are able to participate will be a great honour for the UIS, and participations to increase the success of the event are more than welcome.

José Ayrton Labegalini
President of UIS



21-28 AUGUST
ATHENS-KALAMOS 2005

ORGANIZING COMMITTEE

President:

Dr Petros THEMELIS, Professor of Classical Archaeology, University of Crete, Former Director of the Paleoanthropology and Speleology Ephorate, Hellenic Ministry of Culture, current President of the Scientific Society for Messinian Studies

1st Vice-President:

Dr Elias MARIOLAKOS, Em. Professor of Geology, Athens University, President of the Hellenic Geological Society, Member of the Central Archaeological Council, Hellenic Ministry of Culture, Foreign Member of the Russian Academy of Natural Sciences

2nd Vice-President:

Dr Athina ZAMANI, Em. Professor of Geography, Athens University, President of the Hellenic Geographical Society

General Secretary:

Christos PETREAS, MBA (USA), Business and Tourism Economist, SME and Tourism Development Consultant, EU Expert, Vice-President of the Hellenic Speleological Society

Treasurer:

Evangelos TSIMBANIS, Mathematician, Educator, General Secretary of the Hellenic Speleological Society

Members:

Dr George Antonopoulos, Medical Doctor, Head Director of the Gynecological Dept. of the Oncological Hospital of the Institute of National Insurance, President of the Hellenic Speleological Society

Konstantinos Zoupis, President of the Hellenic Federation of Speleology, Vice-President of the Balkan Speleological Union

Iakovos Karakostanoglou, (MSc Geology), Physicist, Educator, Special Secretary of the Hellenic Federation of Speleology

Dr Nick Symeonidis, Em. Professor of Palaeontology, Athens University, Former President of the Hellenic Speleological Society, Chairman of the Scientific Committee

Ex officio:

Dr Stavroula Samartzidou, Archaeologist, Director of the Paleoanthropology and Speleology Ephorate, Hellenic Ministry of Culture

UIS Bureau Ex officio:

Andrew James Eavis, Senior UIS Vice President



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

SCIENTIFIC COMMITTEE

President: Dr Nikolaos SYMEONIDIS, Emeritus Professor

Vice-President: Dr Elias MARIOLAKOS, Emeritus Professor

Dr Apostolos ALEXOPOULOS, Assistant Professor

Dr Georgios ANTONOPOULOS

Dr Antonios BARTSIOKAS, Assistant Professor

Dr Ioannis BASSIAKOS

Dr Mihail DERMITZAKIS, Professor

Dr Vassilios GIANNOPOULOS

Mrs Xrysanthi KONTAXI

Dr Georgios KOUFOS, Professor

Dr Habik MAROUKIAN, Assistant Professor

Dr Konstantinos MERDENISSIANOS

Dr Andiana PANTAZIDOU, Lecturer

Dr Kyriaki PAPADOPOULOU, Assistant Professor

Dr Stavros PAPAMARINOPOULOS, Professor

Dr Kaloust PARAGAMIAN

Dr Theodoros PITSIOS, Assistant Professor

Dr Stavroula SAMARTZIDOU

Dr Petros THEMELIS, Emeritus Professor

Dr Vivi VASSILOPOULOU

Dr Nikolaos XYROTYRIS, Professor

Dr Athina ZAMANI, Emeritus Professor

ORGANIZING COMMITTEE OF THE UIS

President: José Ayrton LABEGALINI (Brazil)

Vice-Presidents: Andrew James EAVIS (United Kingdom)
Alexander KLIMCHOUK (Ukraine)

General Secretary: Pavel BOSÁK (Czech Republic)

Adjoint Secretaries: Roman HAPKA (Switzerland)
Andrej MIHEVC (Slovenia)
Claude MOURET (France)
Fadi NADER (Lebanon)
Armstrong OSBORNE (Australia)
Abel VALE (Puerto Rico)
George VENI (USA) from 2002



21-28 AUGUST
ATHENS-KALAMOS 2005

SCIENTIFIC PROGRAM INFORMATION

THEMED SESSIONS

A total of 241 presentations are programmed. All presentations are scheduled daily in 3 parallel time zones.

EXPLORATION REPORTS

A total of 23 exploration reports have been scheduled in the programme. Exploration reports are grouped in 4 sessions during the congress.

POSTER PRESENTATIONS

A total of 48 posters will be presented during the Congress. All poster presentations will be on display for the entire duration of the Congress. Each poster surface will be labeled with your poster presentation number, which is assigned to you (refer to your personal letter). Material for mounting posters (blue tag) will be available by the Congress Secretariat. Authors as well as participants may visit the poster area at other times for further discussion and exchange of ideas with colleagues. Authors are responsible for setting up and removing their poster themselves according to the schedule below:

Mounting : Monday, August 22, 2005 between 09:00-14:00
Removal : Saturday, August 28, 2005 between 09:00-14:00

REGISTRATION

REGISTRATION FEES

Registration Fees	From August 1, 2005
Full	€250
Partial *#	€200
Accompanying Persons Full *	€200
Accompanying Persons Partial #	€150
Students	€200

* Without Congress proceedings

Without Opening reception (may be purchased later separately)



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

The Registration Fee includes:

- o Participation in the Congress sessions
- o Participants' folder/ bag
- o Personal Badge
- o Congress proceedings in a CD Rom
- o International Speleology CD Rom
- o Opening Reception
- o Farewell Reception
- o Participation Certificate
- o Full-Day Tour to Nestani, Tripolis and Capsia Cave - August 24th 2005

The registration desks and Congress Secretariat will be structured to accommodate pre registration for those attendees who have paid for all aspects of the Congress in full and on-site registration for those who have yet to register or settle outstanding accounts.

The registration process will take place at the **Dolphin Hotel**.

Registration Desk

The registration desks will be available the following dates & hours:

Sunday, August 21, 2005	17:00 -20:00
Monday, August 22, 2005	09:00 -18:00
Tuesday, August 23, 2005	09:00 -18:00
Thursday, August 25, 2005	09:00 -18:00
Friday, August 26, 2005	09:00 -18:00
Saturday, August 27, 2005	09:00 -14:00

CONGRESS BAGS AND BADGES

Standard Congress bags will be distributed to all registrants as well as individual envelopes including badges, tickets or other personal documentation.

For identification purposes and admission to the session halls, participants are requested to wear their badges. Admission to the Congress will not be allowed without them.

CANCELLATION POLICY

REGISTRATION: Cancellation of registration should be sent in writing to the Congress Organizing Bureau. For any written cancellation received before February 1, 2005 the full amount less 20% handling fee will be refunded. Before July 1, 2005, 50% cancellation fee will apply. No refund thereafter.

ACCOMMODATION: 50% deposit for hotel and tours is required on the date of booking. Full payment by June 1, 2005. Cancellations received till May 30, 2005, 50% refund. No refund after this date.



21-28 AUGUST
ATHENS-KALAMOS 2005

SOCIAL EVENTS

WELCOME RECEPTION

Sunday, August 21, 2005 - 18:30 hrs

Participants and accompanying persons who paid the appropriate registration fee, are cordially invited to attend the Welcome Reception which will take place at the DOLPHIN HOTEL.

FAREWELL RECEPTION

Saturday, August 27, 2005 - 18:30 hrs

The Farewell Reception will take place at Calamos Hotel for participants and accompanying persons who paid the appropriate registration fee.

Greek cuisine, wine and Greek music guarantee a pleasant evening.

FULL DAY TOUR TO NESTANI, TRIPOLIS & CAPSIA CAVE

Wednesday, August 24, 2005

(Free for registered participants & accompanying persons)

- | | |
|--------------|---|
| 08:00 | Buses depart from KORELKO Venue, Hotels Agamemnon, Dolphin and Calamos Beach to Corinth |
| 10:00 | Short photo stop at Corinth Canal |
| 10:30 | Drive to Tripolis |
| 11:15 | Short stop at Nestani area, birthplace of Poseidon |
| 12:00 | Arrival at Tripolis |

Visit at the Nestani sinkhole and Nestani area. Tripolis is the capital of the prefecture of Arcadia. Built in the center of a wooded plateau, it is one of the most important agricultural, commercial and transport hub in Peloponnese.

Visit at the Nestani sinkhole and Nestani area - (limited number of participants)



Nestani village

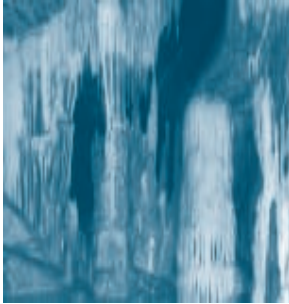


The entrance of the Nestani sinkhole



14th

INTERNATIONAL CONGRESS of SPELEOLOGY



Visit at the Capsia Cave - (limited number of participants)

The Capsia Cave is located 14th km from Tripolis and only 1,5km north from Capsia Village. The Cave is part of a complex swallow-holes system of Mantinea plateau and ranks among the most important Greek caves for both its rare defluent décor in shapes and colours and its special paleoanthropological interest, since loads of human bones were discovered in it, which in accordance with to relevant studies, they date back to late Hellenistic years (4th-5th century A.C.). The up-to-date explored part of the Cave has a total corridors length of 600m. and covers an area of approximately 6.500m²



Visit at the Archaeological Museum of Tripolis

(limited number of participants)

The museum has opened recently and hosts exceptional exhibits from the areas of Arcadia and mostly from the Mansion of Herodus Atticus in Eva, Astros area.



Visit at the Archaeological Site of Ancient Mantinea and the Church of Saint Fotini with its extraordinary architecture

Distance from Tripolis area: approximately 10km



Visit at the ruins of the ancient Temple of Alea Athena in the area of Tegea and at the small museum of Piali village

15:00 Lunch by courtesy of the **Mayor of Tripolis,**
Mr Demosthenes Sotiropoulos

17:00 Drive back to KORELCO Venue and Hotels in Kalamos

General Information

CONGRESS DATES

August 21 - 28, 2005



21-28 AUGUST
ATHENS-KALAMOS 2005

CONGRESS VENUE

DOLPHIN HOTEL (Ag. Apostoli, Kalamos)
Tel.: +30 22950 85560, Fax: +30 22950 58563
+30 22950 85561
+30 22950 85562

Surrounded by remarkable nature beauties combining the green of natural forests, mountains and the crystal blue sea waters Dolphin hotel is a resort town hotel situated in Kalamos and the fishing village of Aghii Apostoli. The area is located in the outskirts of Athens 45 km from the center of the city and 58 km from the New Athens International Airport "Eleftherios Venizelos".

The area is an ideal holiday resort! The hotel is situated only 250m far away from the sea and it is a place for visitors who would like to stay away from the crowded city, but on the other hand to be near the capital, whether they are on a business trip or on vacations. Accommodation at a range of different prices is also available in neighbouring hotels.

10

CONGRESS ORGANIZING BUREAU - CONGRESS SECRETARIAT

ERASMUS CONFERENCES TOURS & TRAVEL S.A.
1, Kolofontos & 18 Evridikis Street, 161 21 Athens, Greece
Tel: +30 210 7257693-5 Fax: +30 210 7257532
E-mail: info@erasmus.gr, Url page: www.erasmus.gr

LANGUAGE

The official language of the Congress is English

ALTERNATIVE TRANSPORT

Using the metro service from Airport to Kalamos:

There is a direct metro link connection from Athens airport to Omonia square and the metro ticket costs 6 Euro (per way). At a distance of 300 meters is located at Egiptou square (Pedion Areos area). There is the departure point of buses, which go to Kalamos area. The bus ticket cost 3, 40 Euro (per way) and the journey time is approximately 1 hour. Kindly note that the distance between the terminal Bus station at Kalamos (drop off point) and Korelco camp site is about 2 km.

Buses to Athens center depart at: 06:00
07:15
08:20
10:15
12:00
13:30
14:45
16:45
18:45
20:45

Buses to Kalamos depart at: 05:45
06:30
08:00
09:45
11:30
13:15
14:30
16:30
19:00

Kindly note that during summer period more itineraries may be added



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

Using Erasmus bus service from Airport to Kalamos:

- Erasmus will provide shuttle bus from Athens airport to Kalamos area and vice versa. Shuttle buses to Kalamos depart at: 10:00 - 13:00 - 16:00 - 19:00

Kindly **note that** shuttle buses will depart **from Athens airport to Kalamos** on 21/08/2005 and from Kalamos to Athens airport on 28/08/2005 and 29/08/2005.

Regarding the dates: 22-23-24-25-26-27/08/2005 it depends on the demand. The cost will be **20 Euro** per person/per way (minimum 20 persons).

Kindly note that reservations are needed to be made in advance, by completing the appropriate selection in the combined registration and accommodation form.

Erasmus has the right to modify the above time table according to the number of the reservations.

CLIMATE AND CLOTHING

The weather in the Greek capital during August is generally warm, sunny and pleasant. The average air temperatures are 30 oC during the day and 22 oC during the evening.

LIABILITY AND INSURANCE

Neither the organizers nor the Travel Agencies assume responsibility for injury and/or damage involving persons or property during the Congress. Participants are advised to take out their own personal insurance.

FOREIGN EXCHANGE AND BANKING ARRANGEMENTS

The official currency of Greece is the Euro. Foreign currency, traveller's checks and Eurocheques can be exchanged at the airport bank upon arrival or at banks located throughout Athens. A banking service will be available at the Congress Venue for currency exchange.

Local banks or hotels do not cash personal checks. Participants are advised to bring cash, traveler's checks or Eurocheques. Major credit cards are accepted in Hotels, Restaurants, Shops etc. Banks are open for the public from Monday to Friday 08:00am – 14:00pm.

EXHIBITION

A technical, commercial and photograph Exhibition will run concurrently with the Congress.

MULTIMEDIA COMPETITION

Interested participants should hand over their material at Registration desk at Dolphin Hotel.

PHOTO EXHIBITION

The Photo Exhibition will be located at Calamos Beach Hotel in Hall D.



21-28 AUGUST
ATHENS-KALAMOS 2005

UIS DEPARTMENTS & COMMISSIONS MEETINGS

DEPARTMENT OF PROTECTION & MANAGEMENT	
Commission for Protection, Management & Tourism in caves & Karst Region	
DEPARTMENT OF RESEARCH	
Physical Chemistry & Hydrogeology of Karst Commission	Confirmed
Paleo-karst & Speleochronology Commission	
Glacier caves & karst in Polar Regions Commission	
Volcanic caves Commission	Confirmed
Hydrothermal Karst working group	
Karst Hydrogeology & Speleogenesis Commission	
Cave mineralogy Commission	
Pseudokarst Commission	
Archaeology & Paleontology in caves Commission	Confirmed
Speleotherapy Commission	
Artificial Cavities Commission	
DEPARTMENT OF DOCUMENTATION	
Bibliography Commission	
Longest & Deepest caves Commission	
Atlas of karst regions Commission	
Informatics Commission	Confirmed
History of Speleology Commission	
DEPARTMENT OF EXPLORATION	
Cave rescue Commission	Confirmed
Materials & Techniques Commission	
Cave diving Commission	
DEPARTMENT OF EDUCATION & TEACHING	Confirmed
Speleological Education Commission	
UIS CONSTITUTION COMMISSION	Confirmed

TOURIST EXCURSIONS & ACCOMPANIED PERSONS PROGRAM

Half Day Tour to Cape Sounion



Suggested date: 22/8

Depart for a wonderful drive along the scenic coastal road which affords a splendid view of the Saronic Gulf, passing through some of Athens most beautiful suburbs (Glyfada, Vouliagmeni, Varkiza) to CAPE SOUNION where you will visit the 5th century B.C. TEMPLE of POSEIDON with one of the most breathtaking panoramic views in the world (on a clear day you can see at least seven islands). The precipice is a sheer 197-foot drop to the sea.

Price: 40 euros (Minimum participants: 20)



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

Half Day Athens Site Seeing

Suggested date: 23/8

Depart for TEMPLE OF OLYMPIAN ZEUS (visit). Proceed to PANATHINAIKO STADIUM the cradle of the first Olympic Games in 1896 (short stop). Pass by the Prime Minister's residence, Ex Royal Palace (guarded by colourful Evzones), Zappion (Conference and Exhibition Hall), National Garden, Hadrian's Arch, St. Paul's Church, Parliament, Tomb of the Unknown Soldier, Schlieman's House (Nomismatic Museum), Catholic Cathedral, Academy, University, National Library, Old Parliament, Constitution Square, Russian Orthodox Church, the ACROPOLIS (visit Propylaea, Temple of Athena Nike, Parthenon, Erechtheion and Museum of the Acropolis).

Price: 54 euros (Minimum participants: 20)



Full Day Tour to Delphi

Suggested date: 25/8

Cross through Thebes, LEVADIA (short stop) and Arachova for DELPHI, known in ancient times as the navel of the world. Pass by CASTALIA SPRING, visit at the archaeological site the TEMPLE of APOLLO famous for its oracle and the MUSEUM of Delphi, with its spectacular finds, including the bronze Charioteer and the Statue of Antinoos. After lunch return to Athens via the picturesque mountain village of ARACHOVA, built on the south slopes of Parnassus, well known for its attractive hand-woven carpets, rugs and quilts, as well as for its wine and cheese (short stop).

Price: 90 euros (Minimum participants: 20)



Full Day Tour to Argolis (Corinth-Epidaurus-Mycenae)

Suggested date: 26/8

Depart for the CORINTH CANAL (short stop). Drive along the coastal road of the Saronic Gulf to EPIDAURUS and visit the Ancient theatre, world famous for its outstanding acoustics. Proceed to NAUPLIA with its Venetian fortress of PALAMIDI and the fortified islet of BOURTZI afloat in the middle of the bay (short stop). Then through the plain of ARGOS arrive at MYCENAE. Visit at the archaeological site - the Lion Gate, the Cyclopean Walls, the Palace - and the Tomb of Agamemnon. After lunch (optional stop for souvenirs) return to Athens.

Price: 94 euros (Minimum participants: 20)





21-28 AUGUST
ATHENS-KALAMOS 2005

40th Anniversary

Sunday August 21 2005		Monday, August 22, 2005				Tuesday, August 23, 2005					
TIME	DOLPHIN HOTEL	HALL A	HALL A	HALL B	HALL C	HALL D	DOLPHIN HOTEL	DOLPHIN HOTEL	DOLPHIN HOTEL	CALAMOS HOTEL	
09:00-10:40	Opening Ceremony-General Assembly	DOLPHIN HOTEL	Session 7	Session 8	Session 9	Available for any meetings*	DOLPHIN HOTEL	Session 10	Session 11	Session 12	Available for any meetings*
10:40-11:00											
11:00-12:40											
12:40-14:30	Registration	Lunch Break									
14:30-16:10		DOLPHIN HOTEL	Session 1	Session 2	Session 3	Available for any meetings*	DOLPHIN HOTEL	Session 13	Session 14	Session 15	Available for any meetings*
16:10-16:30											
16:30-18:30											
18:30-22:00	Welcome Reception	Coffee Break									
		Session 4	Session 5	Session 6	Exploration report A	Session 16	Session 17	Session 18	Exploration report B	Multimedia	

TIME	Thursday, August 25, 2005						Friday, August 26, 2005						Saturday August 27 2005				
	HALL A	HALL B	HALL C	HALL D	HALL A	HALL B	HALL C	HALL D	HALL A	HALL B	HALL C	HALL D	HALL A	HALL B	HALL C	HALL D	
Wednesday August 24 2005																	
09:00-10:40	Session 19	Session 20	Session 21	Exploration report C	Session 31	Session 32	Session 33	Coffee Break									Available for any meetings*
10:40-11:00																	
11:00-12:40	Session 22	Session 23	Session 24	Available for any meetings*	Session 34	Session 35	Available for any meetings*	Lunch Break									Available for any meetings*
12:40-14:30	Full Day Tour to Tripolis & Caspia Cave																
14:30-16:10	Session 25	Session 26	Session 27	Available for any meetings*	Session 36	Session 37	Available for any meetings*	Coffee Break									General Assembly & Closing Remarks
16:10-16:30																	
16:30-18:30	Session 28	Session 29	Session 30	Exploration report D	Session 38	Session 39	Session 40	SYMPOSIUM									SYMPOSIUM
18:30-22:00				Multimedia				Multimedia								Multimedia	Farewell Reception

*** Please contact the secretariat desk for meetings or consult with the notice board**



21-28 AUGUST
ATHENS-KALAMOS 2005

INDEX OF TOPICS PER SESSIONS

- SESSION 1: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology I
- SESSION 2: Archaeology and palaeontology in caves including art and anthropology I
- SESSION 3: Exploration materials & techniques
- SESSION 4: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology II
- SESSION 5: Archaeology and palaeontology in caves including art and anthropology II
- SESSION 6: Mineralogy of caves I
- SESSION 7: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology III
- SESSION 8: Archaeology and palaeontology in caves including art and anthropology III
- SESSION 9: Biospeleology I
- SESSION 10: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology IV
- SESSION 11: Archaeology and palaeontology in caves including art and anthropology IV & Atlas of karst regions
- SESSION 12: Biospeleology II
- SESSION 13: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology V
- SESSION 14: Glacial caves and karst in polar regions I
- SESSION 15: Biospeleology III
- SESSION 16: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VI
- SESSION 17: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VII
- SESSION 18: Mineralogy of caves II
- SESSION 19: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VIII
- SESSION 20: Physical chemistry and geochemistry I
- SESSION 21: Speleo-Education I
- SESSION 22: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology IX
- SESSION 23: Paleokarst and speleochronology I
- SESSION 24: Protection and management of show caves and associated karst I
- SESSION 25: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology X
- SESSION 26: Physical chemistry and geochemistry I & Paleokarst and speleochronology II
- SESSION 27: Cave rescue - Glacial caves and karst in polar regions II - Informatics I - Speleo-Education II
- SESSION 28: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XI
- SESSION 29: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XII

14th

INTERNATIONAL CONGRESS of SPELEOLOGY

- SESSION 30: Speleo-therapy - Speleology and tourism development I
 SESSION 31: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XIII
 SESSION 32: Pseudokarst - Artificial cavities - Bibliographic
 SESSION 33: Large cavities - Informatics II
 SESSION 34: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XIV
 SESSION 35: Protection and management of show caves and associated karst II
 SESSION 36: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XV
 SESSION 37: Protection and management of show caves and associated karst III
 SESSION 38: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XVI
 SESSION 39: Speleology and tourism development II
 SESSION 40: History of speleology

INDEX OF TOPICS PER SESSION SCIENTIFIC PROGRAMME

TOPICS	SESSIONS
Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology	1, 4, 7, 10, 13, 16, 17, 19, 22, 25, 28, 29, 31, 34, 36, 38
Physical chemistry and geochemistry	20, 26
Glacial caves and karst in polar regions	14, 27
Archaeology and palaeontology in caves including art and anthropology	2, 5, 8, 11
Biospeleology	9, 12, 15
Protection and management of show caves and associated karst	24, 35, 37
Paleokarst and speleochronology	23, 26
Speleo-Therapy	30
Informatics	27, 33
Bibliographic	32
Pseudokarst	32
Speleo-Education	21, 27
Exploration materials & techniques	3
Atlas of karst regions	11
History of speleology	40
Cave rescue	27
Large cavities	33
Speleology and tourist development	30, 39
Mineralogy of caves	6, 18
Artificial cavities	32



21-28 AUGUST
ATHENS-KALAMOS 2005

Monday, August 22, 2005

09:00-14:00 OPENING CEREMONY

HALL A

Welcome Addresses: N. Kiparrisi, Director of Prehistoric & Classical Antiquities,
Representative of the Hellenic Ministry of Culture

Dr. G. Antonopoulos, MD President of the Hellenic Speleological Society
K. Zoupis, President of the Hellenic Federation of Speleology
Prof. P. Themelis, Congress President
J.A. Labegalini, President of the Union Internationale de Speleologie

Opening Lecture: UIS: past, present and future
J.A. Labegalini

General Assembly

14:00-14:30 LUNCH BREAK

HALL A

14:30-16:10 SESSION 1: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology I

Invited Chair: P. Williams, E. Mariolakos

O-1 Study of the karst development and possible leakage from the Sazbon Dam, Iran
E. Raeisi, J. Agdam, H. Karimi, M. Zare

O-2 Karst surface symbols: Proposition of a standard symbol set
P. Hauselmann

O-3 Factors, Conditions and main development stages of the associated pale okarst - Kaolin deposits system in Northeastern Bulgaria
T. I. Krastev

O-4 The Speleogenesis of the caves in Crnopac Mt. Area
M. Kuhta, A. Stroj

O-5 Sediments in the Baradla and Beke caves, Hungary
J.B. Uveges, G. Vid, I.B. Uveges



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

HALL B

14:30-16:10 **SESSION 2: Archaeology and palaeontology in caves including art and anthropology I**

Invited Chair: R. Hapka, P. Themelis

O-6 The Stratigraphy of the Kabwe Cave of Rhodesian Man
A. Bartsiakas

O-7 The small mammal fauna from the Loutra Aridea bear-cave (Pella, Macedonia, Greece) with emphasis on the third chamber
A. Chatzopoulou

O-8 Palaeontological remains from the Manga Larga Cave (Sant Antonio plateau, Porto de Mos, Portugal) - *Panthera pardus* (L. 1758) and *Felis sylvestris* Schreber, 1777 - a case study between speleology and palaeontology
F. Regala, J.L. Cardoso

O-9 Caves in the Odyssey
D.N. Brison

O-10 Parfum de Grece
C. Fait, J.C. Fait

HALL C

14:30-16:10 **SESSION 3: Exploration materials & techniques**

Invited Chair: P. Kabesis, E. Pothos

O-11 Precise Measurement of Surveying-Sections Using Image Processing Techniques
S. Canbek, N. Adar

O-12 Urban storm water management for cities built upon karst: Bowling Green, Kentucky, USA
G. L. Cesin, N. Crawford, J. Richardson

O-13 Experimental research on the use of Thermography to locate heat signatures from caves
J. Thompson

O-14 Preliminary data recorded by a monitoring station to study the Hypogean Climate in an ice cave the LO LC 1650 ICE CAVE "Abisso sul margine dell'alto Bregai" (Grigna Settentrionale, Lecco - Italy)
S. Turri, M. Citterio, A. Bini, V. Maggi, M. Favaron, D. Fraternali, A. Alberici, S. Borghi, M. Colombo, R. Gottardi, D. Zappalà



21-28 AUGUST
ATHENS-KALAMOS 2005

O-15 The propagation of the seasonal heat wave into crystal and fantasy caves (Bermuda)
A.A. Cigna

16:10-16:30 COFFEE BREAK

HALL A

16:30-18:30 SESSION 4: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology II
Invited Chair: C. Mouret, Ap. Alexopoulos

O-16 The Caves of Thrace Region (NorthWestern Turkey)
K. Tork, L. Nazik, K. Tuncer, E. Ozel

O-17 The effect of the relief systems of the Beysehir lake and the kembos polje basins on the cave development of the area.
L. Nazik, K. Tork, K. Tuncer, E. Ozel

O-18 The geological and morphological origine and distribution.
L. Nazik, K. Tork, K. Tuncer, E. Ozel

O-19 Karst and rock fantoms in the Netherlands
H. De Swart

O-20 Caves of the Shan Plateau, The union of Myanmar (ex-Burma)
C. Mouret

O-21 Processes governing speleogenesis in the rocks.
C. Mouret

HALL B

16:30-18:30 SESSION 5: Archaeology and palaeontology in caves including art and anthropology II
Invited Chair: D. Hubbard, G. Koufos

O-22 The Maronia cave in the Numulitic limestone (Thrace, Greece). Geology, Palaeontology and Archaeology
S. Pavlides, E. Tsoukala, A. Chatzipetros, A. Chatzopoulou, B. Melfos, M.K. Basiliadou, G. Lazarides, M. Vaxevanopoulos

O-23 Since 2001 to 2004: paleontological excavations in the "Grotta inferiore dei Covoli di Velo" (Veneto - Italy)
R. Zorzin, F. Bona, M. Accordini



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-24 Milk teeth of Quaternary carnivores from Northern Greek Caves
S. Pappa, E. Tsoukala, G. Lazaridis

O-25 Paleontological research in Pella Cave bears and Late Pleistocene associated faunal remains from Loutra Arideas cave (Pella, Macedonia, Greece)
E. Tsoukala, G. Rabeder

O-26 The pursuit of elephants in Grevena (W. Macedonia, Greece)
E. Tsoukala

HALL C

16:30-18:30 **SESSION 6: Mineralogy of caves I**

Invited Chair: W. B. White, E. Baltatzis

O-27 Mineralogy of the hybrid Kiinyugawa-dam Cave, Kii Peninsula, central Japan
N. Kashima, K. Hisatomi

O-28 Activators of Luminescence of Speleothems - Organic Versus Inorganic
Y.Y. Shopov

O-29 An Introduction to Genetic Mineralogy and the Concept of "Ontogeny of Cave Minerals"
C.A. Self, C.A. Hill

O-30 Identification of Cave Minerals by Raman Spectroscopy: New Technology for Non-Destructive Analysis
W.B. White

O-31 Vashegyite from the Gaura cu Musca Cave (Locvei Mountains, Romania): a new and rare phosphate occurrence
B.P. Onac, J. Kearns, L. Zaharia

O-32 Cave minerals of some limestone caves of Saudi Arabia
P.Forti, E.Galli, A. Rossi, J.Pint, S.Pint

HALL D

16:30-18:30 **EXPLORATION & EXPLORATION ETHICS A**

Invited Chair: A. Eavis, K. Zoupis

W-1 Exploration and Preservation of the Kipuka Kanohina Cave System, Ka u Hawai'i
C. K. Heazlit



21-28 AUGUST
ATHENS-KALAMOS 2005

W-2 Revealing the Caves of Soqotra Island (Yemen), the Soqotra Karst Project (2000-2005)

P. De Geest and the members of the Soqotra Karst Project

W-3 Systeme mara- Milopotamos-Drama

P. Reile

W-4 The Lava Tube Caves of Rwanda

M. Laumanns

W-5 An Overview of Caving Regions in Northern Laos

J. Dreybrodt, M. Laumanns

W-6 Karst, Caves and Speleology in the Islamic Republic of Iran

V. Madelat, J. Ashjari, H. Akbarzadeh, M. Laumanns



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

Tuesday, August 23, 2005

HALL A

09:00-10:40 **SESSION 7: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology III**

Invited Chair: C. Ek, H. Maroukian

O-33 New approach of the karstic evolution of the canyon of the Peruacu river
J. Rodet, M. J. Rodet, D. F. Mariano, L. Willems, A. Pouclet, L. B. Pils

O-34 Explorations and Geomorphology of the velebita Pit on the North Velebit Mt. in Croatia - World's Deepest subterranean Shaft
D. Bakiz, A. Stroj, M. Kuhta

O-35 The 'karstic delta' concept, as a morphological expression of climatic variations of the base level in coastal areas - the example of the Eastern English Channel region (Normandy, France)
J. Rodet, B. Laignel, N. Massei, M. Fournier, J.P. Dupont

O-36 Karst system genesis in the chalk of the Lower Meuse
L. Willems, J. Rodet, M. Fournier, N. Massei, B. Laignel, L. Dussart-Baptista, J.C. Schyns, M. Duser, C. Ek

O-37 Towards a global denudational model of cave development
A.S. Auler, P.L. Smart

HALL B

09:00-10:40 **SESSION 8: Archaeology and palaeontology in caves including art and anthropology III**

Invited Chair: F. Beyano, S. Samartzidou

O-38 "Folia Drakou" Cave (Potamoi, Drama, Macedonia, Greece) Geological - Speleological study. Preliminary report
E. Vavliakis, M. Vaxevanopoulos, G. Lazaridis, C. Pennos, S. Zahariadis, H. Garlaouni

O-39 Archaeological Excavations in Hourriyeh Cave (Qadisha valley - Lebanon)
F. Beyano, C. Mattar, H. Abdoul-Nour

O-40 Cave explorations on the islands of Karpathos and Kasos (South Aegean, Greece)
T. Rathgeber, H. Jantschke



21-28 AUGUST
ATHENS-KALAMOS 2005

O-41 Remarks on the problems of the palaeolithic terminology
N.A. Poulianos

O-42 The absolute datings of Petralona Cave
N.A. Poulianos

HALL C

09:00-10:40 **SESSION 9: Biospeleology I**

Invited Chair: W. Jeffrey, N. Symeonidis

O-43 The Palaeobotany of caves in the Aegean
F. Megaloudi

O-44 Biospeleology of juxtahuaca caves: 20 years later
G. Castano-Meneses, J.G. Palacios-Vargas, E. Torres, M. Mohar

O-45 Why are cave animals Colorless? Mechanism of pigemnt cell regression in the cavefish *Astyanax*
R.W. Jeffery

O-46 The Biodiversity in the three cenotes from Cozumel Island
L.M. Mejia-Ortiz, M. Lopez-Mejia, Y.J. Tun Chim, R.G. Hartnoll

O-47 Biospilogie, sommeil paradoxal et Monde souterrain
A. Chama

10:40-11:00 **COFFE BREAK**

HALL A

11:00-12:40 **SESSION 10: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology IV**

Invited Chair: D. Ford, S. Lekkas

O-48 Progressive lowering of the water table in the Grand Canyon, AZ USA as recorded by cave and mine deposits
C.A.Hill, V.J. Polyak

O-49 Karst on Cayman Brac
R. Tarhule-Lips, D.C. Ford

O-50 Looking back with Cupolas
A. Osborne



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-51 Filling deposits of an ancient alluvial cave system in the Alpinekarst of Mt. Canin (Julian Alps, NE Italy)

P. Paronuzzi, D. Lenaz, R. Semeraro

O-52 A simple growth model for allogenic Karrentische

S.E. Lauritzen

HALL B

11:00-12:40 **SESSION 11: Archaeology and palaeontology in caves including art and anthropology IV & Atlas of karst regions**

Invited Chair: K. Adamopoulos, A. Zambetakis-Lekka

O-53 The karst forms and the Greek Mythology

I.D. Mariolakos

O-54 Grotte e leggende dell'antica grecia

F. Gherlizza

O-55 Sea caves at Lampedusa (Italy)

G. Ferrari

O-56 The deepest and the longest caves in Greece

K. Adamopoulos

O-57 The cave of Kapsia at Mantinia and its anthropological findings

C. Merdenisianos

HALL C

11:00-12:40 **SESSION 12: Biospeleology II**

Invited Chair: H. A. Barton, K. Paragamian

O-58 A new speleothemic carbonate deposit in grave Grubbo cave (Southern - Italy) : Microbiological and stratigraphical aspects.

P. Cacchio, G. Ferrini, A. Lepidi

O-59 Stable isotopes ($\delta^{13}C$, $\delta^{15}N$) as indicators of trophic structure in central Texas (USA) cave ecosystems

J.S. Taylor, K. Hackley, J. K. Krejca, S. E. Greenberg, M. L. Denight

O-60 Salt ingestion caves

C. A. Lundquist, W. W. Varnedoe

O-61 20 years Paleoluminescence Techniques for reconstruction of past environmental changes- UIS contribution

Y. Shopov



21-28 AUGUST
ATHENS-KALAMOS 2005

O-62 Comparative Studies of Oligotrophic Bacterial Species Cultivated From Jack Bradley Cave, Kentucky
A. Pemberton, J. Millette, H. A. Barton

12:40 - 14:30 **LUNCH BREAK**

HALL A

14:30-16:10 **SESSION 13: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology V**
Invited Chair: S. E. Lauritzen, M. Dermitzakis

O-63 Skin weathering, micro phytokarst, epikarst and deep meteoric karst; is there a simple, common equation?
S.E. Lauritzen

O-64 Quaternary speleogenesis and landscape evolution in Scandinavia and Svalbard
S.E. Lauritzen

O-65 Maze caves in stripe karst: Examples from Nonshauggrotta, northern Norway
R. Ovrevik - Skoglund, S.E. Lauritzen

O-66 Watershed Delineation in Karst Areas of the Tongass National Forest, Southeastern Alaska
J. Kovarik, J. Baichtal, K. Prussian, C. Ranger

O-67 A Quantitative Analysis of Relationships Between Land-Use and Base-Level Conduit Sedimentation in South-Central Kentucky, USA
B. Tobin, S. Kenworthy

HALL B

14:30-16:10 **SESSION 14: Glacial caves and karst in polar regions I**
Invited Chair: G. Badino, G. Tartari

O-68 New type of englacial channels
B.R. Mavlyudov

O-69 Modification of cave entrances in Norway by marine action
T. Faulkner

O-70 Is it possible to correlate sediments in a glacial cave ?
H. Hestangen, S. E. Lauritzen



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-71 Chemical denudation rates in a polar karst catchment: Londonelva, Svalbard
W. E. Krawczyk, L.E. Pettersson

O-72 The reasons of high biodiversity in karst landscapes of the Northern taiga
S. Goryachkin, J. Zakharchenko, M. Glazov, V. Malkov, L. Puchnina, A. Rykov, A. Semikolennykh, E. Shavrina, I. Spiridonova, T. Tuyukina

HALL C

14:30-16:10 **SESSION 15: Biospeleology III**

Invited Chair: P. Beron, A. Pantazidou

O-73 Vertebrate Species Use of Cave Resources
T.R. Strong, J.R. Goodbar

O-74 An overview on biodiversity of cave dwelling copepods (Crustacea) in Romania
S. Iepure

O-75 How diverse is the Romanian subterranean fauna?
O. Moldovan

O-76 The Impact of Organic Load on Geomicrobial Mineral Transformation in Cave Environments
N. Taylor, M. Kreate, J. Bertog, H. A. Barton

16:10-16:30 **COFFEE BREAK**

HALL A

16:30-18:30 **SESSION 16: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VI**

Invited Chair: A. Cigna, St. Kirdis

O-77 Landscape evolution and speleogenesis in Gråtådalen valley, Northern Norway
T. Solbakk, S.E. Lauritzen

O-78 The Iza Cave studies - previous and present work
T. Tamas

O-79 The morphology of the Izvorul Izei Cave (Rodnei Mountains, Romania)
T. Tamas, A. Persoiu

O-80 Chats and facts about the quarry cave (Bermuda)
A.A. Cigna



21-28 AUGUST
ATHENS-KALAMOS 2005

O-81A Multiphase karst systems in sandstones and quartzite of Minas Gerais, Brazil
L. Willems, J. Rodet, A. Pouclet, M. J. Rodet, A.S. Auler

O-81B Ancient quarry «Labyrinth», Gortinos, Herakleon, Crete
E. Koniari, K. Zoupis, P. Romanas

HALL B

16:30-18:30 **SESSION 17: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VII**
Invited Chair: M. Garasic, G. Avagianos

O-82 2-D Geoelectrical survey to identify the entry and sectors of the natural cave of Sidirokastro, N. Greece
A. Atzemoglou, E. Eleftheriadis

O-83 Some new Speleological Research of Caverns in route of the Highways in Croatian Karst
M. Garasic

O-84 The most important and spectacular greek caves
G. Avagianos

O-85 Open air and in caves rock carvings at the gorge of Aggitis at the prefecture of Serres
L.I. Chatzilazaridis

O-86 Karstmorphologie von Akarnanien und der Insel Lefkada (West-Griechenland)
M.H. Fink

HALL C

16:30-18:30 **SESSION 18: Mineralogy of caves II**
Invited Chair: F. Nader, I. Karakostanoglou

O-87 Mineralogy of mine caves in Sardinia (Italy)
J.De Waele, P.Forti

O-88 Cave Aragonite in NSW, Australia
J. Rowling

O-89 Various types of gypsum crystals from Tajna jama, Slovenia
N. Zupan Hajna

O-90 The pearls of the Kanaan Cave (Lebanon): petrographic and geochemical studies
J. Doummar, F. Nader



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-91 How geometric factors determine which type of Speleothem will grow in a cave environment

C.A. Self , C.A. Hill

O-92 Silicate pseudo-speleothemin Gradasnica cave (Mt. Miroc, Eastern Serbia)

P. Djurovic, D. Milovanovic, N. Vasic

HALL D

16:30-18:00 EXPLORATION & EXPLORATION ETHICS B

Invited Chair: A. Klimcouk, K. Adamopoulos

W-7 Recent explorations in Krubera-Voronja cave (West Caucasus)

D. Provalov, I. Zharkov

W-8 CIRS geospeleological research in Ethiopia in the 2003/2005 years

R. Ruggieri

W-9 New speleological developments in Africa and the Middle East

F. H. Nader

W-10 Speleological Notes on Afqa Cave, Syria

M. Metni, I. Bou Jawdeh

W-11 Speleological exploration of Hoher Göll massif (Northern Calcareous Alps, Austria)

Zbigniew Rysiecki, mgr Krzysztof Najdek

W-12 Report on Multiyear Project to Map and Photograph Caves for the Belize Institute of Archaeology

D. Larson, E. Burns-Larson, B. Pease, W. Hunt



21-28 AUGUST
ATHENS-KALAMOS 2005

Thursday, August 25, 2005

HALL A

09:00-10:40 **SESSION 19: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology VII**
Invited Chair: P. De Geest, A. Alexopoulos

O-93 High-Resolution Speleothem Records from Soqatra Island (Yemen), Provide Clues to the Indian Ocean Monsoon System
P. De Geest, S. Verheyden, H. Cheng, L. Edwards, E. Keppens.

O-94 Karst Connection Model for the Grand Canyon, Arizona, USA
C.A. Hill, N. Eberz, R.H. Buecher

O-95 Eogenetic karst, glacioeustatic cave-pools and anchihaline environments in Mallorca island. A discussion on coastal speleogenesis
A.Gines, J. Gines

O-96 The Role of Joint Slope on the Shafts Speleogenesis at a Base of Epikarst
I. Baron

O-97 Karst as a settling factor
V. Andreychuk

HALL B

09:00-10:40 **SESSION 20: Physical chemistry and geochemistry I**
Invited Chair: K. Sik Woo, E. Tsoukala

O-98 Analysis of the Karst Dynamic System of Vertical Zoned Climate Region in Jinpo Mountain State Nature Reserve, Chongqing, China
C. Zhang, Z. Jiang, S. He

O-99 Study on the rainfall sensitivity and hydrochemical variations in epikarst system and its comparison with phreatic system
Y. Liu, D. Yuan

O-100 A reconnaissance on the use of the speleothems in Korean limestone caves to retrospective study on the regional climate change for the recent and geologic past
K.S. Woo, K.N. Jo, G.H. Hong, B.C. Suk

O-101 Lessons learned from the investigation of an active sulfidic cave
L.D. Hose



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-102 Chemistry of cave water in cave from the urban area: A case of Smocza Jama cave, city of Krakow, Poland
Z. Motycka, M. Gradzinski, K. Rozkowski, A. Gorny

HALL C

09:00-10:40 **SESSION 21: Speleo-Education I**

Invited Chair: C. Groves, T. Pitsios

O-103 Cave and child, Integrated educational Programme: "An underground world"
C. Mavrokosta, E. Kamilaki

O-104 Karst field studies offered by Western Kentucky University's center for cave and karst studies and the Mammoth cave national park International center for science and learning
L. A. Croft, N. Crawford, M. DePoy

O-105 Caves of Marvel: Speleology as Adult Environmental Education
N. Kourampas

O-106 Change in attitudes after first visit to a cave: A Q-methodological study
L.G. El-Dash, O.A.F. Scaleante

O-107 A Century of Linkages and Synergy: Western Kentucky University and the Mammoth Cave System
D. Groves, C. Groves, W. Hawkins

HALL D

09:00-10:40 **EXPLORATION & EXPLORATION ETHICS C**

Invited Chair: A. Eavis, N. Mitsakis

W-13 New information on the Plutonic and Tectonic prerequisites on the genesis of "Arjer" cave
S.M. Shahinyan

W-14 Activities of Czech and Slovak cavers in Riviera Maya, Mexico
Z. Motycka

W-15 Chinese/American Cooperation in Cave Exploration and Survey in Water Resource Development, Da Long Dong, Hunan China
C. Groves, P. Kambesis, H. Shiyi, J. Zhongcheng, D. Groves

W-16 Cave complex Samsar
G.H. Pogosyan



21-28 AUGUST
ATHENS-KALAMOS 2005

W-17 Dueca Cave System

J. Neves, M. Soares, M. Pessoa, S. Medeiros, L. Cunha

HALL A

11:00-12:40 **SESSION 22: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology IX**

Invited Chair: P. Kambesis, G. Migiros

O-108 Caves connected with gravitational spreading of the elevated mountain ridges in the Moravian-Silesian Beskids (Czech Republic)

O. Krejci, F. Hubatka, J. Svancara

O-109 Seismothems caused by neotectonic activity in the Eastern Alps

L. Plan, Ch. Spötl, B. Grasemann, K. Decker, K.H. Offenbecher, G. Wiesmayr

O-110 Ghost Cave, Eastern Himalayas, Bhutan

J. All, C. Groves, P. Kambesis

O-111 Cave systems in the Eastern Totes Gebirge (Austria) and their implication on alpine speleogenesis

R. Seebacher, M. Behm, L. Plan

O-112 Geological investigation of the speleothems in limestone caves, Korea

R. Kim, K.S. Woo, D.W. Choi

HALL B

11:00-12:40 **SESSION 23: Paleokarst and speleochronology I**

Invited Chair: J. James, K. Basiakos

O-113 Climate information record in the stalagmites in the Chongqing regions, China

T. Li, D. Yan, L. Wang, X. He, J. Wang

O-114 Submerged Speleothem and Groundwater Chemistry of Inazumi Cave, Oita Prefecture, Japan

K. Yoshimura, K. Kurisaki, K. Urata, H. Schwarcz, D. Ford

O-115 Polycyclic origin of fossil karst at Hranice Paleozoic, Czech Republic

J.R. Otava

O-116 Cosmic Rays, Solar Luminosity or Orbital Variations Drive the Earth's Climate? Speleothem Arguments

Y. Shopov, D. Stoykova



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-117 Decadal and Century Climatic Cycles in North Italy Derived from High-Resolution Luminescence Speleothem Records

D. Stoykova, Y. Shopov, L. Tsankov, U. Sauro, A. Borsato, F. Cucchi, P. Forti, S. Frisia

HALL C

09:00-10:40 **SESSION 24: Protection and management of show caves and associated karst I**

Invited Chair: A. Mihevc, V. Giannopoulos

O-118 The Brazilian Governmental Experience in a question of on protecting Brazilian speleological heritage

R. De Cassia Surrage de Medeiros, R. J. Calemba Marra

O-119 Demonstrations and observations of cave animals in show caves

J. Sumer, A. Mihevc

O-120 Evaluating show cave potential in Lebanon

M. Metni, J. Taouk, K. Moarkech

O-121 Some basic principles for the development of show caves. The "Frasassi Charta"

A.A. Cigna

O-122 Ecological researches in show caves of Romania

O. Moldovan

12:40 - 14:30 LUNCH BREAK

HALL A

14:30-16:10 **SESSION 25: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology X**

Invited Chair: F. Nader, S. Ioannou

O-123 Exploration et topographie de la grotte de Diros

P. Deriaz, L. Casati, J.J. Bolanz, V. Giannopoulos

O-124 Exploration et topographie du lac Vouliagmeni

P. Deriaz, L. Casati, J.J. Bolanz, V. Giannopoulos

O-125 The topographic survey of the Jeita cave network (central Lebanon): a structural/geomorphological approach

F. H. Nader



21-28 AUGUST
ATHENS-KALAMOS 2005

O-126 Classification of karst features in Mount Lebanon

F. H. Nader

O-127 Cave Ulica and the denudation of the karst surface - case study from Kras, SW Slovenia

A. Mihevc

HALL B

14:30-16:10 **SESSION 26: Physical chemistry and geochemistry I & Paleokarst and speleochronology II**

Invited Chair: J. James, I. Basiakos

O-128 The underground legend of Carbon Dioxide heaviness

G. Badino

O-129 Calibrated Holocene Paleotemperature Record for North America from Stable Isotopic Analyses of Speleothems and their Fluid Inclusions

P.A. Beddows, R. Zhang, D.C. Ford, H.P. Schwarcz

O-130 Origin of the Climatic Cycles from Orbital to Sub-Annual: Speleothem data

Y. Shopov, D. Stoykova, L.T. Tsankov, D.C. Ford, C.J. Yonge

O-131 Periodicity in environmental change revealed from New Zealand speleothems

P.W. Williams, D.N.T. King, J.X. Zhao, K.D. Collerson

O-132 A register of Italian sea caves

G. Ferrari

HALL C

14:30-16:10 **SESSION 27: Cave rescue - Glacial caves and karst in polar regions II - Informatics I - Speleo-education II**

Invited Chair: J. P. Bartholeyns, S. Nikolaidis

O-133 A school for cave rescue managers

G. Ferrari

O-134 Chemical and stable isotopes profiles along two cores from the snow deposit in the Lo Lc 1607 ice cave (Grigna Settentrionale, Italian Alps)

M. Citterio, S. Turri, A. Bini, V. Maggi, B. Stenni, R. Udisti

O-135 The Speleologist's psychology and fears

G.T. Katsiavos



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-136 The formation "scientific team-member" of the French Federation of Speleology
S. Jillet

16:10-16:30 COFFEE BREAK

HALL A

16:30-18:30 **SESSION 28: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XI**
Invited Chair: L. Hose, K. Papadopoulou

O-137 Qattine Azar Cave in Lebanon: From Speleology to Socio Economic development
A. Comaty, J. Saadeh

O-138 The role of chemical weathering in the erosional speleogenesis of some caves in Igneous rocks
L. D. Hose

O-139 Decoupled and depth stratified circulation in a coastal carbonate aquifer: Yucatan Peninsula, Mexico
P.A. Beddows, P.L. Smart, S.L. Smith, F.F. Whitaker

O-140 Improving the Accuracy of Subsurface Cartography Using Geophysics and GIS
J. A. Tallent, N. C. Crawford, P. Kambesis

O-141 Recent karst and cave studies of the Aladaglar Massif, Central Taurus, Turkey and their significance to paleogeographic reconstructions
L.Nazik, S. Bayari, A. Klimchouk, N. Ozyurt, K. Turk

O-142 Results of the Field Work in Kapovaya Cave (Shulgantash)
Yu. Lyakhnitsky, A. Solodeinikov, A. Yushko

HALL B

16:30-18:30 **SESSION 29: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XII**
Invited Chair: C. Mouret, E. Velitzelos

O-143 Main 2001 to 2004 Results on the Khammouane karst, Central Laos
C. Mouret

O-144 Specific conductivity in karst waters - what can we learn from it ?
W. E. Krawczyk, D. C. Ford



21-28 AUGUST
ATHENS-KALAMOS 2005

O-145 Phenomenon of the underwater caves of Riviera Maya, Mexico
Z. Motycka

O-146 The formations of the Grutas del Palmito (Bustamante, Nuevo Leon, Mexico) Preliminary results
P. Forti, A. Cigna

O-147 The hydrodynamic behaviour of Cretaceous and oligomiocene karstic aquifers of Boroujerd (West of Iran)
M. Ahmadipour, B. Ebrahimi

O-148 Recent exploration undertaken by S.E.L.A.S. club in the " Dersios" sink-hole at Paleochora, Arcadia
N. Mitsakis, S. Zacharias

HALL C

36

16:30-18:30 **SESSION 30: Speleo-therapy - Speleology and tourism development I**

Invited Chair: G. Veni, G. Antonopoulos

O-149 Environment research regarding the use of the potentially therapeutical factors which exist in the cavities of a salt mine for the performance of certain perspectives of speleo-therapy development in Romania
I. Simionca, M. Hoteteu, N. Grudnicki, J. Kiss, L. Enache, G. Petec Calin, R. Rogoan, M. Matei

O-150 The structure of the therapeutic (speleo-therapeutical) factor in the salt mines- Primordial element in speleo-therapy mechanism and effect
I. Simionca

O-151 Natural and artificial air ionization in underground spaces-An environmental factor with therapeutic potential
L. Enache, C. Filipescu, I. Simionca, S. Botea, M. Hoteteu, J. Kiss, C. Petec, R. Rogoan

O-152 Recent research into Vjetrenica and the current view of the cave regarding its candidature for the World Heritage List
I. Lucic, D. Baksic, J. Mulaomerovic, R. Ozimec

O-153 The destructive development of Alistrati Cave
N.A. Poulianos

O-154 Introduction and tourist development of Postojna cave from 1818 - 2004
B. Debevc



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

HALL D

16:30-18:30 EXPLORATION & EXPLORATION ETHICS D

Invited Chair: A. Klimchouk, P. Stavropoulos

W-18 Kuzgun Cave: the first super-deep cave in the Aladaglar Massif, Turkey
A. Klimchouk, Yu. Kasjan, G. Samokhin, L. Nazik, S. Bayari, K. Tork

W-19 Krubera Cave in the Arabika Massif, Western Caucasus: the first 2000m deep cave on Earth
A. Klimchouk, Yu. Kasjan, N. Solovjev

W-20 Recent explorations in Leuka Ori Mnt. On Crete
K. Adamopoulos, P. Stavropoulos, K. Limakis

W-21 International Speleological Expedition "Anogia-Ntelina 2002"
K. Adamopoulos, N. Mitsakis, A. Christodoulou

W-22 Results of the International Speleological Expedition in Tanzania 2005
J.P. Bartholeyns, Gotto, Kobayashi, Nader, Pinto, Roemer, Van Den Broeck

W-23 Remapping of Humpleu Cave (Romania): First results
P. Häuselmann, B. P. Onac



21-28 AUGUST
ATHENS-KALAMOS 2005

Friday, August 26, 2005

HALL A

09:00-10:40 SESSION 31: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XIII

Invited Chair: P. Bosák, A. Bartsiokas

O-155 The antiquity of the famous Belianska? Cave (Slovakia)

P. Bella, P. Bosák, J. Glazek, H. Hercman, D. Kicinska, T. Nowicki, S. Pavlarcik, P. Pruner

O-156 Evolution of Lodowe Spring Cave System in the Western Tatra Mts. (Poland)

J. Glazek, H. Hercman, D. Kicinska, T. Nowicki

O-157 Underground streams of Crete

C. Mavrokosta

O-158 Andritsa speleocavern, Lerna in Argolida, Peloponnese

E. Koniari, K. Zoupis, B. Karkou, N. Anastasopoulos

O-159 The Rio Martino laboratory: cave climatic studies

G. Badino, M. Chiri

HALL B

09:00-10:40 SESSION 32: Pseudokarst - Artificial cavities - Bibliographic

Invited Chair: A. Cigna, L. Chatzilazaridis

O-160 Speleogenesis of pseudo-karst caves related to deep-seated rockslides in the Flysch Carpathians (Czech Republic)

I. Baron

O-161 "Mines" Souterrain Structures of Lebanon

I. Bou Jaoude

O-162 The Artificial Cavities of Trentino - Alto Adige: an overview

M. Meneghini

O-163 The Stufe di Nerone (Nero's oven): An ancient artificial cave near Naples (Italy)

A.A. Cigna, G.J. Middleton

O-164 The Speleological bibliography of Sardinia (Italy)

J. De Waele



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

HALL C

09:00-10:40 SESSION 33: Large cavities - Informatics II

Invited Chair: P. Matthews, E. Tsimbanis

O-165 L'ardeche souterraine

P. Brunet

O-166 Speleo-Discography: A progress report

D.N. Brison

O-167 Advances in computer-aided cave survey data acquisition; the Auriga Palm OS freeware for underground and field use

L. Le Blanc

O-168 Use of a non linear curve fitting program to separate the emission spectra of multiple fluorescent dyes from spectrofluorophotometer analysis used in groundwater dye tracing

S. Roach, N. Crawford

O-169 An Open-source Web-based National Cave Database

M. Lake , P. Matthews

10:40-11:00 COFFEE BREAK

HALL A

11:00-12:40 SESSION 34: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XIV

Invited Chair: P. Williams, A. Zamani

O-170 Contribution to the cave origin by mechanical weathering in temperate zone

L.Gaal

O-171 Infiltration in the dolomitic karstic system of Nerja Cave (Southern Spain)

B. Andreo Navarro, C. Liñán, F. Carrasco, C. Batiot, C. Emblanche, J.J. Durán

O-172 Unusual subqueous speleothems from Zlomisk Cave (Low Tatra Mountains, Slovakia)

M. Gradzinski, P. Holubek

O-173 Cueva Charles Brewer (Chimanta) and Cueva Ojos de Cristal (Roraima)- the greatest quartzite caves of the world, table mountains, Venezuela

B. Smída, C. Brewer-Carías, M. Audy, F. Mayoral

O-174 Velika klisura (Gryka e Madhe) in Kosovo - the discovery and exploration of one of the biggest cave systems at Balkan

B. Smída, J. Smoll



21-28 AUGUST
ATHENS-KALAMOS 2005

HALL B

11:00-12:40 **SESSION 35: Protection and management of show caves and associated karst II**
Invited Chair: W. Hawkins, K. Merdenisianos

O-175 Karst protection and conservation in Venezuela; Inventory of caves in Natural Parks and protected areas using GIS techniques
C. Silva Aguilera

O-176 Potential Impacts of Acid Mine Drainage on the Hydrogeologic System of Russell Cave National Monument, Alabama, USA
W. Hawkins, P. Kambesis, C. Groves

O-177 Underground Beauty Show without Destruction
J. Novomesky

O-178 Cave and Karst Centers of Excellence
J. R. Goodbar

O-179 The cadaster of speleological objects in serbia. The support to research, protection and sustainable use of karst
B. Vasiljevic

O-180 The Maladie Verte (Green disease) of the caves
C. Merdenisianos

12:40 - 14:30 **LUNCH BREAK**

HALL A

14:30-16:10 **SESSION 36: Speleogenesis and evolution of karst aquifers including geology, hydrogeology and geomorphology XV**
Invited Chair: D. Ford, I. Karakostanoglou

O-181 Fifty Springs on the Niagara Escarpment, Ontario, Canada
D. Ford, S. Worthington

O-182 Hydrogeology and Speleogenesis in the karstic aquifer of the chain "Peaks of the Musi mountain" (Western Julian Fore-Alps, NE Italy)
R. Semeraro

O-183 Karst hydrogeology of Lookout mountain: A synclinal mountain in the folded appalachian mountains of south central Tennessee, USA
B. Sakofsky, K. Ballew, N. Crawford



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

O-184 Intensive monitoring of drip water in two shallow caves
G. Veni, B. L. Shade

O-185 Groundwater sensitivity mapping of the Beaver Dam and Campbellville
30' X 60' Quadrangles
P. Kambesis, A. Croskrey, C. Groves

HALL B

14:30-16:10 **SESSION 37: Protection and management of show caves and associated karst III**
Invited Chair: P. Bosak, Ch. Petreas

O-186 A tale of looting of Paleontological cave resources
D.A. Hubbard Jr.

O-187 Model development of the Petralona cave by the Anthropological
Association of Greece (AAG)
N. Goulopoulos

O-188 Protection and utilisation of caves in Slovakia
P. Bella, P. Gazik

O-189 Protection of caves and their findings
N. Goulopoulos

O-190 The Climate of Kartchner caverns (Arizona, USA)
A.A. Cigna, R.S. Tomey, G. Nolan

16:10-16:30 **COFFEE BREAK**

HALL A

16:30-18:30 **SESSION 38: Speleogenesis and evolution of karst aquifers including
geology, hydrogeology and geomorphology XVI**
Invited Chair: W.B. White, E. Gartsos

O-191 Ground Water Flux Distribution between Matrix, Fractures, and Conduits:
Constraints on Modeling
W. B. White, E. L. White

O-192 The hydrogeological rebus of the coastal karst of Orosei (East Sardinia, Italy)
J. De Waele

O-193 Application of dye tracer techniques in the preparation of conceptual
Hydrogeologic models for contaminated karst aquifers
N.C. Crawford



21-28 AUGUST
ATHENS-KALAMOS 2005

O-194 Development of Innovative Karst Hydrogeologic Research Techniques for Solving Karst Environmental Problems

L.A. Croft, N. Crawford, C. Adair, J. Brewer, M. Coffelt, R. Elrod, M. Firkins, B. Ham, J. Howard, C. Martin, P. Kambesis, R. Moore, C. Ray, J. Ray, J. Tallent, R. Taylor, A. Williams, A. Zimmerman

O-195 Drip-water monitoring in a superficial Alpine cave (Cogola di Giazzera, Trentino, NE Italy)

R. Miorandi, A. Borsato, S. Frisia, F. Corradini

O-196 The geothermal flux shielding by beep drainage conduits

G. Badino

HALL B

16:30-18:30 **SESSION 39: Speleology and tourism development II**

Invited Chair: G. Campion, Ch. Petreas

O-197 Perspective of development of Maronia cave and the surrounding area (Thrace, Greece)

S. Pavlides, I. Chatzigogas

O-198 Exploring Cave Interpretation: Towards a set of key principles for interpreting tourist caves

R. Black, P. Davidson

O-199 Caves of Isla de Mona, Puerto Rico

P. Kambesis

O-200 In pursuit of geo-national park status in Fengshan county, Guangxi, Southern China; the balance between the needs of the local population, tourism and conservation

G. Campion

O-201 The Lebanese perception of the Endokarstic inheritance

L. Doumit, R. Adjizian-Gerard, C. Gauchon

O-202 Sustainable Touristic Use of the Caves of Salado III (Chorriaca), La Laguna (Balsa Huitrín) and Los Gatos (Rincón de los Sauces). Neuquén Province, Argentina

J. Allemand, L. Loyza, E. Lipps



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

HALL C

16:30-18:30 SESSION 40: History of speleology

Invited Chair: U. Widmer, Gr. Papadopoulos

O-203 Results of Bulgarian-Albanian Speleological Researches in Albania (1991-2004)

A. Zhalov

O-204 Historical Data for Karst Phenomena in the province of Macedonia, Greece (XVII-XX C.)

A. Zhalov, M. Stamenova

O-205 The speleological researches in South-West China of the Museo Civico di Storia Naturale di Verona (Italy)

R. Zorzin, L. Latella

O-206 Saga of the Boston Grotto

E.N. Pothos, J.S. Stokowski, K. Harris, C. Taylor, J. Evans, M. Gasser, G. Ehrenfried, A. Budreau

O-207 The international speleological expedition to Tanzania - organisation pre-during-post expedition

E. Van den Broeck

O-208 Lukina jama-Manuál II, Slovacka jama, Medúza, and the share of the Slovak cavers at discovering some of the deepest abysses of the world and of underground superverticals in Velebit Mts.(Croatia) in the years 1990 - 2004

B. Smída

HALL D

09:00-18:00 SYMPOSIUM: Cave Climate and Paleoclimate-Best Record of the Global Change-II

09:00-10:30 Speleothem records of Past Environmental Changes

Chairs: Yavor Shopov (Bulgaria), Julia James (Australia)

20 years Paleoluminescence Techniques for Reconstruction of Past Environmental Changes. - UIS Contribution

Yavor Shopov (Bulgaria)

Cave Minerals as archives of palaeoenvironmental changes

Paolo Forti (Italy)



21-28 AUGUST
ATHENS-KALAMOS 2005

11:00-12:30 Paleoenvironmental reconstructions from karst sediments

Chair: Derek Ford (Canada)

Explorations in dating of speleothemes

Derek Ford (Canada)

The Paleoclimatic Significance of Biomineralisation in Caves

J. James (Australia)

14:30-16:00 Stable Isotope and Trace Element Paleoclimatic Records

Chair: Julia James (Australia)

Trace elements in Speleothems

Sophie Verheyden (Belgium)

Recent developments on cave paleoclimate in the united states

William White (USA)

16:30-18:00 Underground Climatology and Hydrology

Chairs: Giovanni Badino (Italy), Yuan Daoxian (China)

The local measure of thermal insulation underground

Giovanni Badino (Italy)

Open meeting of the participants in the International Programs on "Speleothem Records of Environmental Changes in the Past" and "Luminescence of Cave Minerals" of UIS Commission of Physical Chemistry and Hydrogeology of Karst

Saturday, August 28, 2005

HALL A

09:00-14:00 GENERAL ASSEMBLY, CLOSING CEREMONY & GENERAL REMARKS

Invited Chair: A. J. Eavis



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

POSTER PRESENTATIONS

P-1 The karst in the Mezdra structural- denudation depression (Bulgaria). Assessment of natural and anthropogenic processes and hazards

D. Angelova

P-2 EthnospELEology: the study of the cultural manifestations of ethnic groups and their relations with the caves

J.G. Aires Lima, M.P. Pais, H. Queiroz de Medeiros

P-3 Fossil tooth of a second human from Petralona cave

N.A. Poulianos

P-4 The discovery of VII-XII cc Underground Churches and Settlements in Qasharagh by the 2002-2003 expedition of ASC

S.M. Shahinyan

P-5 Cave Man of XXI c

H. Ghazaryan, S.M. Shahinyan

P-6 Temporarily earthpyramids in caves. Example from the cave of "Zesta Nera" (Sidirokastro, Serres, Macedonia, Greece)

G. Lazaridis, E. Vavliakis, C. Pennos

P-7 Eptamili caves (Serres, Macedonia, Greece) Speleogenesis and development

E. Vavliakis, C. Pennos, G. Lazaridis

P-8 The cenotes (anchialine caxico) from Cozumel Island, Quintana Roo, Mexico

L.M. Mejva-Ortiz, O.F. Martinez, Y.J. Tun Chim, M. Lopez-Mejva, G. Yanez, R.G. Hartnoll

P-9 Geological and structural setting of Ermakia cave, northern Greece

A. Chatzipetros, E. Thomaidou

P-10 Sedimentation cycles in eastern Brazilian caves: Origin and palaeoclimatic and geomorphic significance

A.S. Auler, X.Wang, P.L. Smart, R.L. Edwards, H. Cheng, D. Corrêa, P. Figueiredo

P-11 Unique features of fissure quartzite caves of the Inficionado Peak, central Brazil

A.S. Auler, Y.O. Stávale, T.A. Nicoli

P-12 The Svarthammar Project, North Norway

S.E. Lauritzen, L. Baastad, J. Bjørlien

P-13 The karst in the Besapara heights, the Rhodopes mountain (Bulgaria)

D. Angelova

P-14 Speleogenesis of the Tromsdalen area, Verdal, Norway

A. Øystese, F. Johannesen, S.E. Lauritzen

P-15 Groundwater Basin Delineation by Dye Tracing, Water Table Mapping, Cave Mapping and Geophysical Techniques: Bowling Green, Kentucky, USA

N. Crawford

P-16 Sub-daily cycles and hydrological behaviour of Bus de la Spia - Acquasanta karst system (Brenta Dolomites, NE Italy)

A. Borsato, M. Zandonati



21-28 AUGUST
ATHENS-KALAMOS 2005

P-17 Characterization of a karstic-pseudokarstic Alpine aquifer by means of field fluorometer tracing tests (Tovel Valley, NE Italy)

P. Ferretti, A. Borsato

P-18 Cave development in se Spain during upper pleistocene under periglacial conditions

A. Gonzalez-Ramon, B. Andreo Navarro, A. Ruiz-Bustos, D.A. Richards

P-19 Lateral planation and notched forms of cave Georelief

P. Bella

P-20 Caracterizacion geomorfologica e hidrogeologica preliminar de la zona carsica del tercio inferior de la Cuenca del Rio Guanabo, en el occidente de Cuba

A.N. Abraham Alonso, M. Guerra Oliva, M. Sánchez Celada, O. Durán Zarabozo

P-21 Development of limestone pedestals in glaciated karst

S.E. Lauritzen

P-22 The Grønli -Seter project, northern Norway

R. Øvrevik-Skoglund, H. Hestangen, S.M. Skutlaberg, S.E. Lauritzen

P-23 Speleotheme dating from Svarthammerhola and MIS 7 oxygen isotope and uranium series study

E. Fedje, S.E. Lauritzen

P-24 First Th/U-series dated speleothem record from Southern Siberia

S. Breitenbach, B. Mingram, H. Oberhänsli, G. Haug, J. Adkins

P-25 Palaeomagnetic and palaeontological research in Raciska pecina Cave, SW

P. Bosak, P. Pruner, A. Mihevc, N. Zupan Hajna, I. Horacek, J. Kadlec, O. Man, P. Schnabl

P-26 About several problems on dating Stone-Door Tunnels and caves

S.M. Shahinyan

P-27 The origin of the gypsum flower in the Okgye Cave, Kangwondo, Korea

D.W. Choi, K.S. Woo

P-28 Origin and diagenesis of the cave corals in the lava tube of Jeju Island, Korea

K.C.Lee, D.W. Choi, K.S. Woo

P-29 Biodiversity and Ecology of Cyanobacteria in a variety of hypogean ecosystems (Greece)

A. Pantazidou, M. Roussomoustakaki

P-30 Endolithic and epilithic cyanobacteria from thermal spring travertine and spring-related caves (Greece)

A. Pantazidou, V. Lambrinou

P-31 Distribution behavior of cave fauna according to cave environmental change: An example from the Limestone cave in Korea

Y.G. Choi, S.H. Yoo, W.R. Kim

P-32 The "Greening" of Koutouki touristic cave (Attika, Greece). The Importance of the Cyanobacteria

A. Pantazidou, A. Oikonomou, S. Antonopoulou

P-33 Bryophytes at lamps in selected public caves in the Czech Republic - past and recent situation

S. Kubesová



14th

INTERNATIONAL CONGRESS of SPELEOLOGY

P-34 Flora and Fauna of Armenian Caves

H. Ghazaryan

P-35 Speleology in Armenia

A. Harutunian, V. Ter-Khazaryan

P-36 Speleology in Armenia

A. Grigoryan

P-37 Investigation of Zagedanskaya in the honor of A.V. Alexeev cave

A.S. Gusev, S.Yu. Lipchenko, O.B. Tsoy, A.L. Shelepin

P-38 La glace souterraine de la côte occidentale du Baïkal comme indicateur des changements climatiques

E. V. Trofimova

P-39 The ecology of microbial communities in soil habitats and gypsum caves in taiga region (Northern European Russia)

A. Semikolennykh, A. Ivanova, T. Dobrovolskaya, M. Gorlenko

P-40 About the Seismic-Stability of Ancient Engineer Constructions

S.M. Shahinyan

P-41 Revue historique de la spéléologie de la Sibérie et de l'Extrême-Orient

E.V. Trofimova

P-42 Conservation of Ballet Cave

H. David

P-43 Assessment of recreation resources in the karst terrains of high Atlas mountain (Morocco) and Vitosha mountain (Bulgaria)

D. Angelova

P-44 The creation of «pseudokarst» landforms and the impact to the environment as a result of bauxite mining activity in Ghiona mountain

A. Mertzanis, A. Papadopoulos, A. Pantera

P-45 The Barrois covered karst (NE France): a recorder of valley incision and cover retreat

S. Jaillot

P-46 The Karstic system of the Mountain Kerketio (Koziakas) and its exploitation

G. Bathrellos, E. Verikiou-Papaspyridakou, H. Skilodimou

P-47 Reconstruction of vegetation changes in Western Tatra Mts. (Poland) basing on Carbon isotopic composition of speleothems calcite

H. Hercman, T. Nowicki

P-48 Diktaeon Andron: Environmental impacts as a result of human activities and tourist exploitation of the cave (Crete-Greece)

A. Mertzanis, G. Vavizos, A. Zannaki

P-49 Columns of Cretan Earth: The speleothem and the symbol

E. Nikitea, A. Kroystalaki