



IV CONGRESSO INTERNAZIONALE DI SPELEOLOGIA IN CAVITA' ARTIFICIALI HYPOGEA2023

Genova, 29-30 settembre

Palazzo Ducale, Sala del Minor Consiglio, Piazza Matteotti 9



PROGRAMMA

Venerdì 29 settembre 2023

08:30 – 09:30 Accoglienza e registrazione dei partecipanti

Caffè di benvenuto

09:30 - 10:30 Apertura lavori – Interventi di saluto

Francesca Corso Assessore Comune di Genova

Federico Delfino Rettore Università di Genova (in attesa di conferma)

Simon Luca Trigona Soprintendenza Archeologia, Belle Arti e Paesaggio per la città metropolitana di Genova e la provincia di La Spezia

Sergio Orsini Presidente Società Speleologica Italiana

Mario Parise Segretario Aggiunto Union Internationale de Spéléologie

10:30 Contributo speciale sulla storia di Genova
(Presidente Mario Parise)

- **Mariano Martini** – S. Saj, D. Repetto, M. Terrone, S. L. Trigona, N. Radi, G. Icardi, F. Ferrando: *The plague in the history of Maritime Republic of Genoa (Italy) (1656-1657): an important testimony of efficacious measures of safety and prevention in the field of hygiene and public health and a wonderful discovery of a precious historical heritage to protect. A "blend" of speleology and history of medicine.*

11:00 – 11:20 Sessione tematica Architetture ipogee e pianificazione urbanistica (Presidente Stefano Saj)

- **11:00 Roberto Grammatico** – R. Mazzeo: *The tanks of the Regia Marina of Monte Erice (TP) on a project by the engineer Pier Luigi Nervi.*
- **11:10 Martino Terrone** – E. Ausonio, F. Marovic, C. Olivieri, A. Rimassa, F. Rottura, E. Vertamy, L. Volpin, S. Traverso: *Genoa Municipality GeoPortal as tool form underground ad overground analysis.*

11:30 – 12:10 Sessione tematica Opere minerarie / estrattive
(Presidente Michele Betti)

- **11:30 Sasson Avraham:** *Quarrying Methods in the Cave of Zedekiah in Jerusalem at the Ancient time (Israel).*
- **11:40 Yuliia Pelovina** – I. Grek, Y. Pechenehova, N. Moldavska, M. Shyrovkov: *Exploration of the Quarries of Moldavanka District in Odesa City (Ukraine).*
- **11:50 Luca Palazzolo** – A. Briatico, E. Zanoletti, A. Basciu, F. Caffoni, A. Martinelli, L. Miglierina, E. Mileto, A. Moroni, L. Nardin, G. Oliva, R. Oliva, R. Piatti, E. Rota, M. Ulivi, M. Venegoni, D. Piazza: *Antrona Valley's Gold Mines: from ore deposits to cultural opportunity for mining heritage (Piedmont, Italy).*
- **12:00 Paolo Testa** – R. Cerri: *Ancient mines in Valsesia (northeastern Piedmont, Italy): 25 years of historical research and speleological exploration.*

Poster (3 minuti)

- **Marco Marchesini** – A. Assi, S. Baglietto, S. Mordeglija, A. Roccatagliata, A. Travi, D. Vinai: *Multidisciplinary research on two ancient mining sites in Western Liguria (Italy).*

12:20 – 13:10 Sessione tematica Cavità artificiali come possibile fattore di rischio geologico (Presidente Francesco Faccini)

- **12:20 Francesco Faccini** - R. Bixio, A. Mandarino, P. Piana, S. Saj, M. Terrone, M. Traverso, S. Traverso: *Culverted watercourses as an anthropogenic constraint of flood risk in the historical centre of Genoa (Italy).*
- **12:30 Mario Parise** - P. Lollino: *On the role of geo-structural features in the development of failure mechanisms affecting man-made underground caves.*
- **12:40 Isabella Serena Liso** – C. Vennari, M. A. Fabozzi, D. Ruberti, M. Vigliotti, G. Capasso, V. Corbelli, M. Parise: *A chronology of sinkholes related to artificial cavities in the hydrographic district of the Southern Apennines of Italy.*

- **12:50 Ruberti Daniela** – M. A. Fabozzi, I. S. Liso, M. Parise, C. Vennari, P. Lollino, M. Vigliotti, G. Capasso, V. Corbelli: *The hidden world of artificial cavities in the hydrographic district of the Southern Apennines of Italy: findings, architectural variability and risk assessment.*
- **13:00 Martino Terrone** – F. Faccini, A. Ferrando, G. Montanari, P. Piana, S. Saj, S. Traverso: *Artificial cavities and georisk assessment: the case of "Le strade Nuove and the System of the Palazzi dei Rolli" Unesco World Heritage site in Genoa (Italy).*

Pausa pranzo

15:00 – 15:30 Sessione Opere belliche (Presidente Stefano Saj)

- **15:00 Vedat Akçayöz:** *The place of no return in ancient Ani (Kars, Turkey): report of the explorations.*
- **15:10 Lamberto Laureti:** *Some aspects of the wartime work underground in the Southeastern Alps (Italy) during World War I and carried out mainly on the Marmolada and Adamello mountain ranges and on the Trentino highlands (Lavarone, Pasubio, Asiago), but also on the so-called backward front such as the Cadorna Line.*
- **15:20 Igor Grek** - N. Moldavska, M. Shyrovkov: *Artificial caves shelters in vertical tuff escarpments in Cappadocia (Turkey) and Upper Mustang (Nepal).*

16:00 – 17:00 Sessione tematica Antiche opere idrauliche ipogee (Presidente Paolo Madonia)

- **16:00 Graziano Ferrari** – D. De Simone: *Aqua Augusta in Campania: new section under the Posillipo ridge (Naples, Italy).*
- **16:10 Andreas Schatzmann** – M. Abbate, A. Peresso: *The water storage system of Marcigliana (Rome): an unusual representative of a Roman cistern.*
- **16:20 Clelia Mora** – M. E. Balza, M. Capardoni: *Water monuments in Hittite and Neo-Hittite periods: structure, functions, and connection with the "other world".*
- **16:30 Boaz Zissu** – D. Bickson, Dvir Raviv: *An Archaeological Survey in the Jerusalem Hills and Water Facilities for Pilgrims during the Early Roman Period.*
- **16:40 Ferrari Graziano** – D. De Simone, A. Martellone, B. De Nigris, M. Osanna: *The water tank system under the Foro Civile at Pompeii.*

Poster (3 minuti)

- **Massimiliano Zago** – D. Davolio M., M. Pellegrini, R. Sordi, M. Sordi: *The ancient aqueducts of Asolo (Italy): new investigations and acquisitions.*
- **Ali Yamaç:** *Ahmet Çelebi Qastel of Gaziantep (Turkey).*

17:00 – 18:00 Riunione della Commissione Cavità Artificiali della UIS
(Presidente Mario Parise)

Sabato 30 settembre 2023

08:30 – 09:00 Accoglienza e registrazione dei partecipanti

09:00 – 10:00 Sessione tematica Opere religiose e di culto ipogee
(Presidente Boaz Zissu)

- **09:00 Nodar Bakhtadze:** *New considerations on the Uplistsikhe rock-cut ensemble (Georgia).*
- **09:10 Pier Paolo Dore** – G. Piras: *The hypogeum of San Gavino a mare in Porto Torres (Sassari, Sardinia, Italy): preliminary epigraphic, gliptographic and speleological investigations.*
- **09:20 Samvel M. Shahinyan** – A. Davtyan, S. Davtyan, B. Gasparyan: *Use of natural caves for ritual purposes as a forerunner of the formation of architecture.*
- **09:30 Carpiceci Marco** – F. Colonnese, A. Schiavo, R. Zanone: *The rupestrian churches in the monastery of Geghard, Armenia.*
- **09:40 Mario Mazzoli** – G. De Felice, D. Leone, M. Turchiano, G. Volpe: *Sant'Eufemia's cave inscriptions: ancient navigation, beliefs and devotion (Vieste, Italy).*
- **09:50 Tudor Tămaş** – C. Valea, S. A. Kövecsi, E. Szekely: *Lajos Bethlen's crypt (Chirales, Romania): a geological viewpoint.*
- **10:00 Daniela Ruberti** – E. Damiano, F. Fabozzi, M. A. Fabozzi, P. M. Guarino, I. Guidone, E. Moliterno, L. Olivares, A. Pellegrino, M. Vigliotti: *Artificial cavities under worship places: case studies from the province of Caserta (Italy).*
- **10:10 Sabrina Centonze:** *Physical evidence of dedication rites in rock churches of Basilicata and Apulia (Italy). Some case studies.*

10:30 – 10:50 Sessione tematica Fauna ipogea (Presidente Stefano Saj)

- **10:30 Valentina Balestra** – E. Lana, M. Chesta, D. Olivero: *Hypogeal fauna of the military subterranean fortification Forte di Vernante Opera 11 "Tetto Ruinas" (Piedmont, Italy).*

Poster (3 minuti)

- **Anastasia Cella** – R. Toffoli, F. Mantovani: *The caves of Finalese karstic area (Finale Ligure, Liguria, North-Western Italy): a project for the coexistence between the touristic activity and the Chiroptera conservation.*

Pausa caffè

11:30 – 12:10 Sessione tematica Nuove tecnologie per analizzare e documentare le cavità artificiali (Presidente Alessandro Maifredi)

- **11:30 Carmela Crescenzi** – A. Baldacci: *Re-defining the relationships between the tangible and intangible heritage: the rock-cut village of Vitozza Sorano (Tuscan, Italy).*
- **11:40 Graziano Ferrari:** *The Pozzuoli (Naples, Italy) Flavian Amphitheater cisterns: a basic experience in 3D modelling with LIDAR.*
- **11:50 Fabio Colonnese** – M. Carpiceci, R. Libera: *Notes on the survey of the Catacomb of San Senatore at Albano Laziale (Rome, Italy).*

Poster (3 minuti)

- **Sofia Germanidou:** *Capturing the unseen: documenting underground cisterns through Matterport camera system.*

12:30 – 13:00 Presentazione delle candidature ad ospitare ed organizzare il V C.I. di Speleologia in Cavità Artificiali Hypogea2025

Pausa pranzo

14:30 – 15:20 Sessione tematica Categorie e tipologie delle cavità artificiali: aggiornamenti (Presidente Carla Galeazzi)

- **14:30 Paolo Madonia** – C. Galeazzi, C. Germani, M. Parise: *20 Years of the Project "The Map of ancient underground aqueducts in Italy", and future perspectives.*
- **14:40 Francesco Foschino** – F. Dell'Aquila, R. Paolicelli: *The Modern-era technique of the semi-rupestrian architecture in the Matera area (Italy).*
- **14:50 Roberto Bixio** – A. Bixio, A. De Pascale, A. Yamaç: *Rock-cut dovecotes in Cappadocia (Turkey): elements in comparison.*
- **15:00 Paschetto Arianna** – M. Taronna, D. Barberis, E. Lana, M. Chesta, G. Cella, M. Gallina: *Cadastre of artificial cavities of Piedmont and Valle d'Aosta (Italy): new perspectives for the use and updating of data.*

Poster (3 minuti)

- **Ali Yamaç:** *Underground structures inventory project of Kayseri (Turkey): a short summary.*

15:30 – 16:50 Sessione tematica Opere insediative civili sotterranee e in rupe (Presidente Ali Yamaç)

- **15:30 Yinon Shivtiel:** *Quarried underground hiding complexes in the Galilee, Israel: new evidence for their use in the Second-Century CE Revolt against the Romans.*
- **15:40 Constantin Canavas:** *Underground living spaces in the Chinese loess.*

- **15:50 Roberto Bixio** – A. Bixio, A. De Pascale, A. Yamaç: *Intended use and dating of rock-cut dovecotes in Cappadocia.*
- **16:00 Göknil Arda:** *A Cave Settlement in Ardahan (Turkey): Harosman.*
- **16:10 Özlem Kaya** – A. H. Eğilmez, B. İren, İ. Kapucuoğlu, E. Horoz, İ. Güzel, T. N. ilbaş, B. Cavdar, K. Gürses: *Discovery and documentation of the underground structures of Hagia Sophia.*
- **16:20 Roberto Bixio** – A. Yamaç: *Underground Shelters in Cappadocia.*
- **16:30 – Shahinyan Samvel M.** – A. Shahinyan, N. Varderesyan, G. Erkoyan, A. Batasyan: *From Xenophon houses to Armenian rock-cut dwellings and sacristies.*

Poster (3 minuti)

- **Ali Yamaç:** *Castle of Gaziantep (Turkey). Tunnels, Dwellings, Excavations and Earthquakes.*

17:00	Dibattito e conclusioni
18:00	Foto ricordo partecipanti e appuntamenti per le visite guidate
18:00	Closing of congress works

Domenica 1° ottobre 2023 – Post Congresso

Visite guidate agli ipogei cittadini condotte dal Centro Studi Sotterranei – Genova (si ringrazia AMT Genova per il servizio di trasporto)

A CURA DI:



PARTNER:



PATROCINI:



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E CONSERVATORI DI GENOVA
[1923 – 2023]



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