

| 14:00-16:00 SESSION: HISTORICAL QUARRIES: USES, PROTECTION, REGULATORY LIMITS, RESOURCES<br>Chairs : Valentina Cetean and Tom Heldal |   |   |
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| 14:00  | <b>Tom Heldal.</b> PRESENCE   | NON-ECONOMIC VALUE ASSESSMENT OF NATURAL STONE: EXAMPLE FROM NORWAY   |
| 14:20  | <b>David M. Freire-Lista,</b> Luis Sousaa, Martinho Lourençoa, Becerra Becerra J. PRESENCE  | GRANITE OF PENA, VILA REAL: A HERITAGE STONE OF NORTHERN PORTUGAL   |
| 14:40  | <b>Á. Török.</b> REMOTE   | HISTORIC QUARRIES AND STONE RESOURCES – CONTROL FACTORS OF THE URBANIZATION OF A CITY, A TWO MILLENNIA HISTORY OF STONE USE IN BUDAPEST.          |
| 15:00  | <b>Rafael Navarro,</b> Javier Martínez-Martínez, Jorge Fernández-Suárez, Enrique Álvarez-Areces. PRESENCE                           | ANALYSIS OF THE CURRENT UNEQUAL SITUATION OF THE BUILDING STONES AND HISTORICAL QUARRIES ASSOCIATED WITH THE UNESCO WORLD HERITAGE SITES OF SPAIN |
| 15:20  | <b>Valentina Cetean,</b> Radu Fărnoagă, Emil Rusu, Antonio Ulmeanu, Ioan Scutelnicu, Filipciuc Constantina, Adrian Tătaru. PRESENCE | RESEARCH TO DETERMINE THE LIMESTONE EXPLOITATION GEOMETRY IN THE DACIAN HISTORICAL QUARRY FROM MAGURA CALANULUI                                   |
| 15:40  | <b>Heiner Siedel.</b> PRESENCE  | DISTRIBUTION OF HERITAGE STONES AND TRANSPORT: THE EXAMPLE OF ELBE SANDSTONE FROM SAXONY (GERMANY)  |
| 16:00  | <b>Massimo Coli.</b> PRESENCE   | THE TURIN MINING POPYRUS AND THE WADI HAMMAMAT NATURAL RESOURCES EXPLOITATION   |
| 16:15-16:30  | Coffee break  |   |
| 16.30-19:00  | TourinStones (geoturistic field trip in Turin)  |   |
| 19.00  | Networking aperitif-dinner  |   |

## Wednesday 06/10/2021

10.00-13.00 Egyptian Museum visit

13:00-14:00 Light lunch (free)

### POLITO Castello del Valentino - Salone d'Onore

14.00-14.30 **Keynote: Gurmeet Kaur- Department of geology, Panjab University, Chandigarh, India.** REMOTE

INTERNATIONAL COMMISSION ON GEOHERITAGE AND ITS SUBCOMMISSION WITH SPECIAL REFERENCE TO SUBCOMMISSION ON HERITAGE STONES

### 14:30-16:30 SESSION: HERITAGE STONES WORLDWIDE Chairs: Nuria Castro and Giusy Sorrentino

14:30 **Sharma** and Cooper. REMOTE

NATURAL STONES IN HERITAGE CITIES IN INDIA.

14:50 **Mateja Golež,** Alenka Vidrgar, Franci Krevh, Matevž Bajde, Mihael Ramšak. REMOTE

THE SOUND OF STONE

15:10 **G. Sorrentino,** A. Lo Giudice, A. Re, L. Vigorelli, A. Borghi, L. Longo. PRESENCE

THE (PRE)HISTORY CARVED IN STONES

15:30 **M. H. B. O Frascá,** N. F. Castro. REMOTE

BLUE SODALITE SYENITE OF BAHIA, BRAZIL, AN EXCLUSIVE ROCK TYPE

15:50 **André Campos. R.P.,** Nuria F Castro, Amanda Mozer, Carla Félix, Kátia Leite Mansur, Rosana Elisa Coppedê Silva, Roberto Carlos C. C. Ribeiro. REMOTE

LEPTINITO GNEISS: THE HERITAGE STONE OF THE OLD TOWN, RIO DE JANEIRO, BRAZIL

16:10 **J. Becerra,** D. Freire, JP González. REMOTE

WEATHERING FORMS AND PETROPHYSICAL FEATURES OF PIEDRA BOGOTANA

16:30-17:00 Coffee break

### 17:00-17:30 POSTER SESSION

**Piero Primavori.** PRESENCE

ROSSO VERONA MARBLE (ITALY): PROPOSED AS A CANDIDATE FOR "GLOBAL HERITAGE STONE RESOURCE".

**Armando Quintas; Carlos Filipe.** REMOTE

THE STUDY OF THE HERITAGE AND HISTORY OF THE MARBLE INDUSTRY: THE CASE OF ALENTEJO (PORTUGAL)

**N. Careddu, S. Cuccuru, S.M. Grillo.** PRESENCE

SARDINIAN GRANITOIDS: 4000 YEARS OF GEOHERITAGE AND DIMENSION STONES.

**Tuomas Sihvonen, Elena Panova, Maaret Paakkunainen, Mika Räisänen, Nike Luodes, Paavo Härmä, Satu-Pia Reinikainen.** REMOTE

STUDY FOR SUPPORTING RESTORATION ACTIVITIES OF (PYTERLITE) RAPA KIVI GRANITE IN ST.PETERSBURG

**F. Gambino\*, L. Barale, A. Borghi, A. Cavallo, A. d'Atri, G. A. Dino, M. Giardino, L. Perotti, F. Piana.** PRESENCE

GEODATABASE OF PIEMONTE HERITAGE STONES QUARRY DISTRICTS

**P. Härmä, O. Selonen.** REMOTE

RED RAPA KIVI GRANITE (PYTERLITE) FROM SOUTHEASTERN FINLAND – A FAMOUS NATURAL STONE OF VIROLAHTI

**U. Storti, A. d'Atri, L. Martire.** PRESENCE

PIETRA DI VICO: GEOLOGY, PETROGRAPHY AND USE AS A HERITAGE STONE.

**A. Aquino, S. Pagnotta, M. Lezzerini.** REMOTE

EFFECTS OF THERMAL AGEING ON CALCARENITE FORM LIVORNO COAST (WESTERN TUSCANY).

**E. Panova, D. Vlasov, M. Zelenskaya, A. Vlasov, O. Rodina.** REMOTE

BIOLOGICAL WEATHERING OF GRANITE HERITAGE IN CITY ENVIRONMENT

**G. Signori, M. Resmini, M. Pesenti.** PRESENCE

A STONE DIORAMA IN THE CENTRE OF BERGAMO

**G. Signori.** PRESENCE

A HERITAGE STONE: THE CASE STUDY OF THE CEPPO DI GRÈ (ITALY)

**A. Ehling.** PRESENCE

GLOBAL HERITAGE STONES – HOW TO MAKE STONES VISIBLE

**Á. Török.** REMOTE

STONE PROPERTIES AND DURABILITY OF A ROMAN SETTLEMENT ALONG AMBER ROAD (HUNGARY)

**Siham BELHAJ, Omaira Essaad BELHAJ, Hamid BOUKHAL** REMOTE

CHEMICAL AND GEOTECHNICAL ANALYSIS OF RAMMED EARTH FROM MARINID WALLS OF THE MORROCAN HISTORICAL MONUMENT CHELLAH-RABAT FOR DETECTION OF ALTERATION PRODUCTS AND THE ORIGIN OF THE ORIGINAL MATERIALS USED

**17:30-18:00** Conclusions

**Thursday 07/10/2021**

Visit of Sacra di San Michele, Arch of Augustus in Susa and quarry

**9.30-18:00** Bus - lunch in typical osteria

Under the patronage of:



More info at:

[https://www.diat.polito.it/focus/workshop\\_on\\_heritage\\_stones](https://www.diat.polito.it/focus/workshop_on_heritage_stones)



# Natural Stones and Cultural Heritage promotion and preservation

II International Workshop on Heritage Stones 5<sup>th</sup>-7<sup>th</sup>/10/2021, Torino, Italy

## Daily Programme

**Tuesday 05/10/2021**

POLITO Castello del Valentino - Salone d'Onore

**8.30-9.30** Registration

**9.30-10.00** Welcome Speech

**10.00-10.40** Keynote: Lorenzo Lazzarini - Laboratorio di Analisi dei Materiali Antichi - Università IUAV Venezia PRESENCE  
THE RED IMPERIAL PORPHYRY: THE HISTORY OF USE, QUARRIES AND PETROLOGY OF THE MOST IMPORTANT AND UBIQUITOUS STONE OF ANTIQUITY.

**10.40-11.00** Coffee break

**11:00-12:45** SESSION: HERITAGE STONES FROM EUROPE: CASE STUDIES  
Chairs : Nike Luodes and Nicola Careddu

**11:00** R. Bellopede, **A. Merico**, L. Zichella, A. Fiorucci, P. Marini. PRESENCE  
ITRIA VALLEY (APULIA, ITALY): TECHNOLOGICAL PROPERTIES OF A LIMESTONE USED FOR TRADITIONAL BUILDINGS.

**11:20** T. Donigaglia, R. Cossio, R. Compagnoni, A.L. Ciuffreda, **M. Coli**. PRESENCE  
THE VERDE PRATO: AN HISTORICAL ORNAMENTAL STONE OF TUSCANY.

**11:40** L. Caulfield, P. N. **Wyse Jackson**. REMOTE  
HERITAGE STONES FROM EUROPE: IRISH BLACK MARBLE.

**12:00** **Elena Storta**, Alessandro Borghi, Luigi Perotti, Mauro Palomba, Angela Deodato. PRESENCE  
MINERO-PETROGRAPHIC CHARACTERIZATION OF STONE MATERIALS USED FOR THE ROMAN AMPHITHEATER OF EPOREDIA (IVREA, TO): A SCIENTIFIC-DISSEMINATION PROPOSAL IN THE CULTURAL HERITAGE.

**12:20** A. Bobrowska, **E. Jagoda**, A. Domonik, G. Rzyński. PRESENCE  
THERMOMECHANICAL PROPERTIES OF DETRITAL LIMESTONE FROM THE NOWE BRUSNO TOWN (POLAND) USED IN ARCHITECTURE. PAST AND FUTURE.

**12:40** **Fabio Fratini**, Silvia Rescic, Daniela Pittaluga. PRESENCE  
SERPENTINITE AND OPICALCITE IN THE ARCHITECTURE OF EASTERN LIGURIA AND AS DECORATION OF TUSCAN RELIGIOUS BUILDINGS.

**13.00** **N. Preto**, M. Brandano, P. Cornale, C. Mazzoli, E. Milizia, L. Tomassetti. PRESENCE  
PROPOSAL FOR THE DESIGNATION OF PIETRA DI VICENZA (LOWER OLIGOCENE, NORTHERN ITALY) AS GLOBAL HERITAGE STONE RESOURCE.

**13:20-14:00** Light lunch