
MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S2. MINERALOGICAL CRYSTALLOGRAPHY AND NEW MINERALS

Conveners and Chairpersons: Fernando Camarà (UNIMI), Cristina Carbone (UNIGE)

Aula A

2-1 14.30 - 15.00

[KEYNOTE] Griffin W.L.*, Gain S.E.M., Camarà F., Bindi L., Toledo V. & O'Reilly S.Y.: Exotic mineralogy in an ultra-reduced magmatic system beneath Mt Carmel, Israel

2-2 15.00 - 15.15

Biagioni C., Bosi F., Cook N.J., George L.L., Makovicky E., Moëlo Y., Pasero M.*, Sejkora J., Stanley C.J. & Welch M.D.: New nomenclature and classification of tetrahedrite-group minerals

2-3 15.15 - 15.30

Bonazzi P.* & Bindi L.: Dienerite, Ni₃As: a mineralogical species to revalidate

2-4 15.30 - 15.45

Bussolesi M.*, Zaccarini F., Grieco G. & Tzamos E.: Rare and new mineralogical phases in the Ni-Cu-Sb-As system from the Gomati ophiolite, Northern Greece

2-5 15.45 - 16.00

Bindi L.*: Collisions in outer space produced a vacancy-rich, partially inverted tetragonal ringwoodite in several shocked meteorites

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S3. GEORESOURCES, GEOMATERIALS AND THEIR SYNTHETIC CONTEMPORARIES: OCCURRENCE, PROPERTIES, UTILIZATIONS/INDUSTRIAL APPLICATIONS

Conveners and Chairpersons: Stefano Columbu (UNICA), Laura Gaggero (UNIGE), Nicola Mondillo (UNINA), Rossella Arletti (UNITO), Annalisa Martucci (UNIFE)

Sala Congressi

3-1 14.30 - 14.45

Confalonieri G.*, Arletti R., Di Renzo F., Fabbiani M., Fois E., Haines J., Martra G., Quartieri S., Santoro M., Tabacchi G. & Vezzalini G.: Hydrocarbon polymerization in Pure Silica Mordenite: the effects of structure, pressure, temperature and time

3-2 14.45 - 15.00

Lotti P.*, Comboni D., Gatta G.D., Pagliaro F., Catizzone E., Migliori M., Giordano G., Milani S., Merlini M., Collings I.E. & Hanfland M.: Methanol intrusion in MFI- Zeolites at high pressure

3-3 15.00 - 15.15

Mancinelli M.*, Pompilio A., de Castro E.I., Pasti L., Rosatelli G., Di Bonaventura G., Pedrotti J.J. & Martucci A.: Development of a nanocomposite membrane based on reduced graphene (r-GO) and zeolite 13X for the removal of metal ions with bactericidal actions

3-4 15.15 - 15.30

Beltrami G.*: Thermal stability of hybrid organic-inorganic metallosilicates

3-5 15.30 - 15.45

Polisi M.*, Fabbiani M., Arletti R., Vezzalini G., Martra G., Di Renzo F. & Quartieri S.: Zeolite as an abiotic environment for amino acid condensation: spatial confinement and high pressure effects

3-6 15.45 - 16.00

Comboni D.*, Lotti P., Gatta G.D., Merlini M. & Hanfland M.: Anisotropic compressional behavior of ettringite

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

**S10. METASOMATIC AND REFERTILIZATION PROCESSES IN LITHOSPHERIC MANTLE:
UNRAVELING THE HETEROGENEITIES IN MANTLE SOURCES AND RELATED GEODYNAMIC
SYSTEMS**

Conveners and Chairpersons: Barbara Faccini (UNIFE), Tommaso Giovanardi (UNIMORE), Cristina Perinelli (UNIROMA1)

Aula R

10-1 14.30 - 14.45

Bonadiman C.*, Pelorosso B., Curetti N., Merli M., Coltorti M. & Pavese A.: Phlogopite-pargasite coexistence in spinel peridotite xenoliths from Mount Leura (southeast Australia)

10-2 14.45 - 15.00

Mazzucchelli M.*, Bertotto G.W., Giovanardi T., Zanetti A., Ponce A.D., Brunelli D., Bernardi M.I., Hémond C. & Cipriani A.: Xenoliths's evidence for refertilisation of a strongly depleted mantle column in the Patagonian extra-Andean backarc (Paso de Indios, Argentina)

10-3 15.00 - 15.15

Faccini B.*, Coltorti M., Brenna M., Casetta F. & Briggs R.: Multiple subduction-related metasomatic pulses in mantle xenoliths from the Karioi volcano, North Island, New Zealand

10-4 15.15 - 15.30

Borghini G.*, Fumagalli P. & Rampone E.: Peridotite modification via reaction with pyroxenite-derived andesitic melts: an experimental study at 2 GPa

10-5 15.30 - 15.45

Pellegrino L.*, Malaspina N., Zanchetta S., Langone A. & Tumiati S.: Eclogite-derived melts-peridotite interaction at HP in the Monte Duria area (Central Alps, N Italy): a proxy for the mafic crust-to-mantle mass transfer in subduction zones

10-6 15.45 - 16.00

Correale A.*, Pelorosso B., Rizzo A.L., Coltorti M., Italiano F., Bonadiman C. & Giacomoni P.: The noble gases geochemistry in mantle xenoliths from West Antarctic Rift System

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S14. BIO-GEO MATERIALS FOR ENVIRONMENTAL REMEDIATION: NOVEL APPROACHES, TECHNOLOGIES AND CASE STUDIES

Conveners and Chairpersons: Giacomo Ferretti (UNIFE), Lucia Morrone (CNR-IBIMET, Bologna), Domenico Prisa (CROF-CREA, Pescia)

Aula D

14-1 14.30 - 14.45

[KEYNOTE] Deltedesco E.*, Zehetner F., Unterfrauner H. & Keiblinger K.M.: Microbiological assessment of lime application to agricultural soils

14-2 14.45 - 15.00

Ferretti G.*, Galamini G., Deltedesco E., Gorfer M., Faccini B., Zechmeister-Boltenstern S., Coltorti M. & Keiblinger K.M.: Effects of natural and NH₄-charged zeolite amendments and their combination with 3,4-dimethylpyrazole phosphate (DMPP) on soil gross ammonification and nitrification rates

14-3 15.00 - 15.15

Morrone L.*, Facini O., Mari M. & Rotondi A.: Effects of zeolite and kaolin foliar application in olive trees on photosynthesis and on drupes oil content

14-4 15.15 - 15.30

Matteucci F.*, Curri M.L., Comparelli R., Giannantonio R., Giansante C., Mascolo G. & Giannini C.: Nanomaterials for the abatement of contaminants in water treatment

14-5 15.30 - 15.45

Malferrari D.*, Bernini F., Bigli B., Borsari M., Brigatti M.F., Castellini E., Mucci A. & Sebastianelli L.: Sulfur bearing and aromatic compound trapping by layered silicates: a great start for innovative technological applications

14-6 15.45 - 16.00

Molinari S.*, Salviulo G., Magro M., Baratella D. & Vianello F.: Water total arsenic remediation via a new generation colloidal superparamagnetic maghemite nanoparticles

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S20. OROGENESIS AND OROGENIC WEDGES: A MULTISCALE AND MULTITECHNIQUE APPROACH

Conveners and Chairpersons: Francesca Remitti (UNIMORE), Luca Aldega (UNIROMA1), Stefano Tavani (UNINA), Giulio Viola (UNIBO)

Aula Q

20-1 14.30 - 15.00

[KEYNOTE] Lacombe O.*: Thick-skinned tectonics in orogenic forelands: the external western Alps and the western US Laramide Province case studies

20-2 15.00 - 15.15

Argnani A.*, Manzi V., Lugli S. & Roveri M.: The Calabrian Arc orogenic wedge: a Messinian reconstruction

20-3 15.15 - 15.30

Rossi F.P.*, Corrado S., Lugli S., Manzi V., Reghizzi M., Roveri M. & Schito A.: Multiproxy Burial and Exhumation Numerical Modelling of the late Miocene succession of the Eastern Romagna Apennines: implications for Messinian salinity crisis-related deposits diagenetic products

20-4 15.30 - 15.45

Sternai P.*: Present-day uplift of the European Alps: mechanisms and relative contributions

20-5 15.45 - 16.00

Barbero E.*, Delavari M., Dolati A., Pandolfi L., Marroni M., Saccani E. & Catanzariti R.: The Ganj Ophiolitic Complex reinterpreted as a Late Cretaceous volcanic arc: implications for the geodynamic evolution of the North Makran domain (SE Iran)

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S24. GEOLOGY-HYDROGEOLOGY OF KARST ENVIRONMENTS AND MODELING OF PREFERENTIAL FLOW IN VARIABLY SATURATED FRACTURES

Conveners and Chairpersons: Maria Clementina Caputo (CNR–IRSA, Bari), Giorgio Cassiani (UNIPD), Costantino Masciopinto (CNR IRSA, Bari), Mario Parise (UNIBA)

Aula L

24-1 14.30 - 14.45

Piccini L.* & Poggetti E.: Hydrodynamic of karst springs in metamorphic carbonate rocks: the case of Apuan Alps (Tuscany, Italy)

24-2 14.45 - 15.00

Berardi M., Vurro M. & Portoghese I.*: Modeling hydraulic conductivities of an infiltration trench

24-3 15.00 - 15.15

Liso I.S.* & Parise M.: Micro-climatic aspects at the karst system of Vora Bosco (Salento, Southern Italy)

24-4 15.15 - 15.30

Vigna B. & Fiorucci A.*: Conceptual models related to underground circulation in carbonate aquifers¹

24-5 15.30 - 15.45

[KEYNOTE] Wang X.* & Jourde H.: Numerical models of karst processes

24-6 15.45 - 16.00

Liso I.S., Masciopinto C. & Parise M.*: Hydrogeological model to study natural water flow in karstified and fractured aquifers

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S26. APPROACHES FOR EVALUATION AND PROTECTION OF GROUNDWATER RESOURCES

Conveners and Chairpersons: Daniela Ducci (UNINA), Emma Petrella (UNIPR), Stefania Stevenazzi (UNIMI)

Aula N

26-1 14.30 - 15.00

[KEYNOTE] Di Curzio D.* & Rusi S.: Stationary and non-stationary geostatistics to model 3-D hydraulic conductivity distribution: a case study in the southern Po river plain

26-2 15.00 - 15.15

Portoghese I.*, Demichele F., Fidelibus D. & Vurro M.: Infiltration ponds adopted for treated wastewater disposal: a risk-assessment approach in the Apulia region **CANCELLATA**.

SOSTITUITA DA:

26-5 Apollaro C.*, Fuoco I., De Rosa R., Vespasiano G., Gabriele B., Mancuso R., Criscuoli A. & Figoli A.: Natural polluted waters in Calabria Region (Italy): preliminary data on arsenic contamination and treatment

26-3 15.15 - 15.30

Barbagli A.*, Guastaldi E., Giannuzzi M., Borsi I., Lotti F., Basile P., Schembri M. & Sapiano M.: 3-Dimensional geological reconstruction of the Maltese archipelago geology as a tool for a better understanding on the main Maltese groundwater bodies

26-4 15.30 - 15.45

Barbero D.*, Bucci A., De Luca D.A., Forno M.G. & Lasagna M.: A new thermal model of the shallow aquifer by statistical temperature distribution in the Piedmont Po Plain (NW Italy)

26-5 15.45 - 16.00

Apollaro C.*, Fuoco I., De Rosa R., Vespasiano G., Gabriele B., Mancuso R., Criscuoli A. & Figoli A.: Natural polluted waters in Calabria Region (Italy): preliminary data on arsenic contamination and treatment **ANTICIPATA**

MARTEDÌ 17 Settembre 2019 [14.30-16.00]

S28. GEOMORPHOLOGICAL HAZARDS AND CARTOGRAPHY

Conveners and Chairpersons: Alessandro Chelli (UNIPR), Edoardo Rotigliano (UNIPA), Massimiliano Bordini (UNIPV)

Aula M

28-1 14.30 - 14.45

Giacomelli S.*, Sgavetti M., Bertoni D., Rossi V., Lammoglia T., Leonelli G. & Chelli A.: Integrated use of geomorphological and open-access remote sensing data: examples from different case studies

28-2 14.45 - 15.00

Bosino A.*, Bernini A., Botha G., Omran A., Pellegrini L. & Maerker M.: Using web-based applications to enhance traditional geomorphic mapping: a case study of the Upper Mkhomazi River basin, KwaZulu-Natal, South Africa

28-3 15.00 - 15.15

Conoscenti C., Martinello C., Agnesi V. & Rotigliano E.*: Gully erosion susceptibility maps in Sicily through data mining techniques

28-4 15.15 - 15.30

Bonomo A.E.*, Prosser G., Rizzo G., Bentivenga M. & Acito A.M.: The negative space: a geological journey into an open pit quarry

28-5 15.30 - 15.45

Gemignani C.A., Giacomelli S., Leonelli G. & Chelli A.*: Historical maps as source of information on temporal distribution of landslide events in the Northern Apennines

28-6 15.45 - 16.00

Ivy-Ochs S., Martin S.*, Viganò A., Campedel P., Rossato S., Vockenhuber C. & Rigo M.: Historic and pre-historic landslide activity along the lake Garda - Brenta Group channel area (NE Italy)

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S2. MINERALOGICAL CRYSTALLOGRAPHY AND NEW MINERALS

Conveners and Chairpersons: Fernando Camarà (UNIMI), Cristina Carbone (UNIGE)

Aula A

2-6 17.00 - 17.15

Della Ventura G.*, El Moutouakkil N., Boukili B., Lucci F., Conte A. & Talavera C.: Tracking the Ti substitution in biotite by FTIR imaging

2-7 17.15 - 17.30

Bersani D.*, Fornasini L., Zanoni A., Andò S., Gentile P., Salvioli-Mariani E. & Lottici P.P.: Micro-Raman chemical characterization of amphiboles

2-8 17.30 - 17.45

Scricciolo E., Nazzareni S.*, Giura P., Calandrini E. & Giuli G.: IR and Single-crystal XRD characterisation of natural pyrochlores

2-9 17.45 - 18.00

Mesto E.*, Laurita S., Lacalamita M., Schingaro E., Rizzo G., Sinisi R. & Mongelli G.: Crystal-chemistry and thermal behavior of Fe-carpholite: a case of study from the Pollino Massif (southern Italy)

2-10 18.00 - 18.15

Precisvalle N.*, Martucci A., Ferretti V., Bonadiman C., Bianchini G. & Natali C.: A reexamination of the crystal structure of lorándite

2-11 18.15 - 18.30

Zucchini A.*, McCammon C., Comodi P. & Frondini F.: Ex situ study of cation disorder in Fe-rich dolomites

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

**S3. GEORESOURCES, GEOMATERIALS AND THEIR SYNTHETIC CONTEMPORARIES:
OCCURRENCE, PROPERTIES, UTILIZATIONS/INDUSTRIAL APPLICATIONS**

Conveners and Chairpersons: Stefano Columbu (UNICA), Laura Gaggero (UNIGE), Nicola Mondillo (UNINA), Rossella Arletti (UNITO), Annalisa Martucci (UNIFE)

Sala Congressi

3-7 17.00 - 17.15

Coccatto A.*, Stroschio A., Finocchiaro C., Fugazzotto M., Occhipinti R., Bersani D., Fornasini L., Mazzoleni P. & Barone G.: Raman spectroscopy of aluminosilicates. What about geopolymers?

3-8 17.15 - 17.30

Occhipinti R.*, Coccatto A., Finocchiaro C., Fugazzotto M., Stroschio A., Mazzoleni P. & Barone G.: Natural-fibres-reinforced geopolymers for application in Cultural Heritage

3-9 17.30 - 17.45

Paris E.*, Grandinetti V., Manzi S., Stabile P. & Bignozzi M.C.: Geopolymer-based Terrazzo tiles with a high-waste content: stepping forward from the laboratory phase to the industrial scale

3-10 17.45 - 18.00

Finocchiaro C.*, Barone G., Mazzoleni P., Leonelli C. & Rossignol S.: FT-IR study of early stages of geopolymer gel formation of AAMs based on pyroclastic deposits (Mt. Etna, Sicily, Italy) using two different alkaline solutions

3-11 18.00 - 18.15

Castagnotto E.*, Locardi F., Cabella R. & Ferretti M.: Purple hematite: synthesis of the pigment *Caput Mortuum* through thermal treatment of natural samples

3-12 18.15 - 18.30

Aquino A.*, Lezzerini M., Pecchioni E., Giamello M., Cantisani E. & Fratini F.: Production of hydraulic binders using Lime from Mt. Morello formation in Florence area (Tuscany, Italy)

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S8. PERMO-TRIASSIC GEODYNAMIC EVOLUTION OF THE WESTERN TETHYS REALM: INSIGHTS FROM MAGMATISM, TECTONICS AND STRATIGRAPHIC DATA

Conveners and Chairpersons: Marcello Caggiati (UNIFE), Federico Casetta (UNIFE), Corrado Morelli (Provincia Autonoma di Bolzano)

Aula N

8-1 17.00 - 17.15

[KEYNOTE] Brack P.*: Timing of Middle Triassic Magmatism in the Southern Alps

8-2 17.15 - 17.30

Ferrari E.*, Tribuzio R., Bosch D., Bruguier O. & Langone A.: Lower Carboniferous to Upper Triassic evolution of the Ivrea-Verbano Zone: geochronological constraints from the Alpe Morello (Val Strona) rock sequence

8-3 17.30 - 17.45

Morelli C.*, Bargossi G.M., Gasparotto G., Mair V., Moretti A., Piccin G. & Trentini T.: Outline of a mega volcanic system: The Athesian Volcanic Group

8-4 17.45 - 18.00

Casetta F.*, Ickert R.B., Mark D.F., Bonadiman C., Giacomoni P.P., Ntaflos T. & Coltorti M.: The alkaline-carbonatitic lamprophyres of the Dolomitic Area: Late Triassic precursors of the Alpine Tethys opening **VARIAZIONE. SOSTITUITO DA:**

Molli G.*, Brogi A., Caggianelli A., Capezzuoli E., Liotta D., Spina A. & Zibra I.: A review of upper Carboniferous-Permian tectonics in Corsica, Calabria and Tuscany

8-5 18.00 - 18.15

Mazzucchelli M.*, Giovanardi T. & Cipriani A.: Mantle carbonatites or anatectic carbonatites of crustal origin in the Ivrea-Verbano Zone?

8-6 18.15 - 18.30

Roda M.*, Regorda A., Spalla M.I. & Marotta A.M.: What drives Alpine Tethys opening? Clues from the review of geological data and model predictions

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S10. METASOMATIC AND REFERTILIZATION PROCESSES IN LITHOSPHERIC MANTLE: UNRAVELING THE HETEROGENEITIES IN MANTLE SOURCES AND RELATED GEODYNAMIC SYSTEMS

Conveners and Chairpersons: Barbara Faccini (UNIFE), Tommaso Giovanardi (UNIMORE), Cristina Perinelli (UNIROMA1)

Aula R

10-7 17.00 - 17.15

Rizzo A.L., Coltorti M.*, Faccini B., Casetta F., Ntaflou T. & Italiano F.: Petrological features and volatile content of ultramafic xenoliths from Eifel (Germany)

10-8 17.15 - 17.30

Consuma G.*, Braga R., Giovanardi T., Bersani D., Konzett J., Lugli F., Mazzucchelli M. & Tropper P.: The Carbon pathway through subduction zones: petrological and geochemical constraints on carbonates from garnet-bearing orogenic peridotites

10-9 17.30 - 17.45

Giacomoni P.P.*, Coltorti M., Bonadiman C., Ferlito C., Faccini B., Zanetti A. & Ottolini L.: From mantle to magma: a volatile budget between mantle xenoliths and primary magmas in the Western Antarctic Rift System

10-10 17.45 - 18.00

Salari G.*, Rahimzadeh B., Agostini S., Masoudi F. & Lustrino M.: Quaternary ultrabasic volcanic rocks in central Urumieh-Dohkhtar magmatic arc (Central-Northern Iran): melanephelinites in post-collisional setting

10-11 18.00 - 18.15

Casetta F.*, Giacomoni P.P., Ferlito C., Bonadiman C. & Coltorti M.: From the 600 ka tholeiites to the recent trachybasaltic magmas at Mt. Etna: evolution of a lherzolitic mantle

10-12 18.15 - 18.30

Conte A.M., Perinelli C.*, Bigi S., Bosman A., Castorina F., Conti A., Cuffaro M., Di Vincenzo G. & Martorelli E.: New insights on volcanic activity related to the opening of the Central Tyrrhenian Sea: the transitional basalts of the Ventotene Volcanic Ridge (Pontine Islands, Italy)

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S14. BIO-GEO MATERIALS FOR ENVIRONMENTAL REMEDIATION: NOVEL APPROACHES, TECHNOLOGIES AND CASE STUDIES

Conveners and Chairpersons: Giacomo Ferretti (UNIFE), Lucia Morrone (CNR-IBIMET, Bologna), Domenico Prisa (CROF-CREA, Pescia)

Aula D

14-7 17.00 - 17.15

[KEYNOTE] Mentler A.*, Ottner F., Wriessnig K., Keiblinger K.M. & Kral R.M.: Production potential in central Mozambique: soil analysis and mineralogy

14-8 17.15 - 17.30

Keiblinger K.M., Maftukhah R., Ngadisih N., Murtiningrum M., Kral R.M. & Mentler A.*: Soil amendments for re-cultivation of formerly mined land on Bangka island, Indonesia

14-9 17.30 - 17.45

Neri L.*, Carriero G., Facini O. & Baraldi R.: Environmental remediation of the historical suburban forest Bosco Albergati

14-10 17.45 - 18.00

Leoncini C.*, Lo Monaco A., Gagni S., Emiliani R., Riberti R., Forti F., Caridei F., Filippini M. & Gargini A.: Optimal hydrogeological conditions for phytoscreening in sites with chloroethenes subsurface contaminations

14-11 18.00 - 18.15

Rizzo P.*, Sanangelantoni A., Iacumin P. & Celico F.: Isolation and selection of bacterial strains for aquifer remediation: a case study in Val d'Agri (Southern Italy)

14-12 18.15 - 18.30

Artioli G., Berto D., Dalconi M.C., Gò E., Peruzzo L. & Tateo F.*: Occurrence of pararealgar in As-rich aquifer sediments of the Venetian plain (Italy)

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S20. OROGENESIS AND OROGENIC WEDGES: A MULTISCALE AND MULTITECHNIQUE APPROACH

Conveners and Chairpersons: Francesca Remitti (UNIMORE), Luca Aldega (UNIROMA1), Stefano Tavani (UNINA), Giulio Viola (UNIBO)

Aula Q

20-6 17.00 - 17.15

Succo A.*, Mittempergher S., Lucca A., Bistacchi A., Meda M. & Storti F.: From layer-parallel shortening and duplexing to fold tightening and strike-slip compartmentalization in the External Dinarides orogenic wedge: the case of platform carbonates folded in the Pag anticline

20-7 17.15 - 17.30

Berio L.*, Balsamo F., Bistacchi A., Mittempergher S. & Storti F.: Structural and paleofluid evolution during and after the growth of the Parmelan Anticline, Bornes Massif, Western Alps

20-8 17.30 - 17.45

Curzi M.*, Carminati E., Aldega L., Berra F., Billi A., Van der Lelij R. & Viola G.: Architecture and evolution of an extensionally-inverted thrust (Monte Tancia thrust, central Apennines, Italy): geological, structural, geochemical, and K-Ar geochronological constraints

20-9 17.45 - 18.00

Lucca A., Storti F., Balsamo F., Clemenzi L.*, Fondriest M., Burgess R. & Di Toro G.: Out-of-sequence thrusting from marine to phreatic conditions in the Gran Sasso Massif, Central Apennines, Italy

20-10 18.00 - 18.15

Sabbatino M.*, Vitale S., Consorti L., Corradetti A., Arienzo I., Cipriani A. & Parente M.: Multidisciplinary study of the Miocene forebulge unconformity in central-southern Apennines

20-11 18.15 - 18.30

Velicogna M.*, Princivalle F., Petrelli M., Venier M. & Lenaz D.: U-Pb detrital zircon geochronology of Cretaceous-Eocene flysch basins of the N-E Adria plate

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S24. GEOLOGY-HYDROGEOLOGY OF KARST ENVIRONMENTS AND MODELING OF PREFERENTIAL FLOW IN VARIABLY SATURATED FRACTURES

Conveners and Chairpersons: Maria Clementina Caputo (CNR–IRSA, Bari), Giorgio Cassiani (UNIPD), Costantino Masciopinto (CNR IRSA, Bari), Mario Parise (UNIBA)

Aula L

24-7 17.00 - 17.15

Bordoni M., Valentino R.*, Meisina C. & Bittelli M.: Detailed analysis of soil-atmosphere interactions in two sample sites in Oltrepò Pavese

24-8 17.15 - 17.30

Nimmo J.R. & Perkins K.S.*: Preferential flow dynamics in unsaturated zone hydrology

24-9 17.30 - 17.45

[KEYNOTE] Perkins K.S.* & Nimmo J.R.: Estimation of Preferential Flow Contributions to Aquifer Recharge Based on Hydrograph Analysis

24-10 17.45 - 18.00

Caputo M.C.*, Nimmo J.R. & Perkins K.S.: Characterization of Episodic Recharge in a Fractured and Karst Coastal Aquifer by Episodic Master Recession Analysis

24-11 18.00 - 18.15

Caputo M.C., De Carlo L.*, Masciale R., Perkins K. & Turturro A.C.: Combined approaches to provide evidence of preferential flow in a layered vadose zone during artificial rainfall

24-12 18.15 - 18.30

Turturro A.C.*, Nimmo J.R., Perkins K.S. & Caputo M.C.: Evidence of no preferential flow in porous rock by testing the validity of the Darcy-Buckingham law in a centrifugal field

MARTEDÌ 17 Settembre 2019 [17.00-18.30]

S28. GEOMORPHOLOGICAL HAZARDS AND CARTOGRAPHY

Conveners and Chairpersons: Alessandro Chelli (UNIPR), Edoardo Rotigliano (UNIPA), Massimiliano Bordoni (UNIPV)

Aula M

28-7 17.00 - 17.15

Valletta A.*, Cavalca E., Savi R. & Segalini A.: Advantages of innovative automatic inclinometers applied to landslides monitoring for early warning activities

28-8 17.15 - 17.30

Guarino P.M.*, Amanti M., Chiessi V., Fiano V., Guarneri E.M., Marasciulo T., Olivetta L., Pistocchi L., Roma M., Serafini R. & Vitale V.: Landslides in the Sibillini Mountains National Park (Central Apennines, Italy)

28-9 17.30 - 17.45

Cafiso F., Cappadonia C.*, Rotigliano E. & Sulli A.: Seismic-induced rockfalls: correlations between the slope aspect and seismic source

28-10 17.45 - 18.00

Nsengiyumva J.B., Valentino R.*, Sobio Y., Mizero J., Nsengiyumva F., Bordoni M. & Meisina C.: Site-specific to large-scale landslides susceptibility assessment in Rwanda

28-11 18.00 - 18.15

Rossi M.*, Santangelo M., Alvioli M., Marchesini I., Cardinali M., Bucci F. & Fiorucci F.: Composite landslide susceptibility maps

28-12 18.15 - 18.30

Martinello C.*, Rotigliano E., Conoscenti C. & Agnesi V.: Investigation of prediction errors in the landslide susceptibility statistical models through multiple nested MARS analyzes: application in the Caldera area of Ilopango (El Salvador, C.A.)

- 2-12 Consani S.*, Giuli G., Martinelli A., Cardinale A.M., Trapananti A. & Carbone C.: Possible Rare Earth Element-induced structural modification in Layer Double Hydroxides: the case of synthetic woodwardite $[Cu_{1-x}Al_x(SO_4)_{x/2}(OH)_2 \cdot nH_2O]$
- 2-13 Fantini R., Quartieri S.*, Arletti R., di Renzo F., Fabbiani M., Morandi S., Martra G. & Vezzalini G.: Dehydration and thermal stability of High-Silica Mordenite: *In-Situ* synchrotron X-Ray powder diffraction study
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