



DIPARTIMENTO
DI GEOSCIENZE

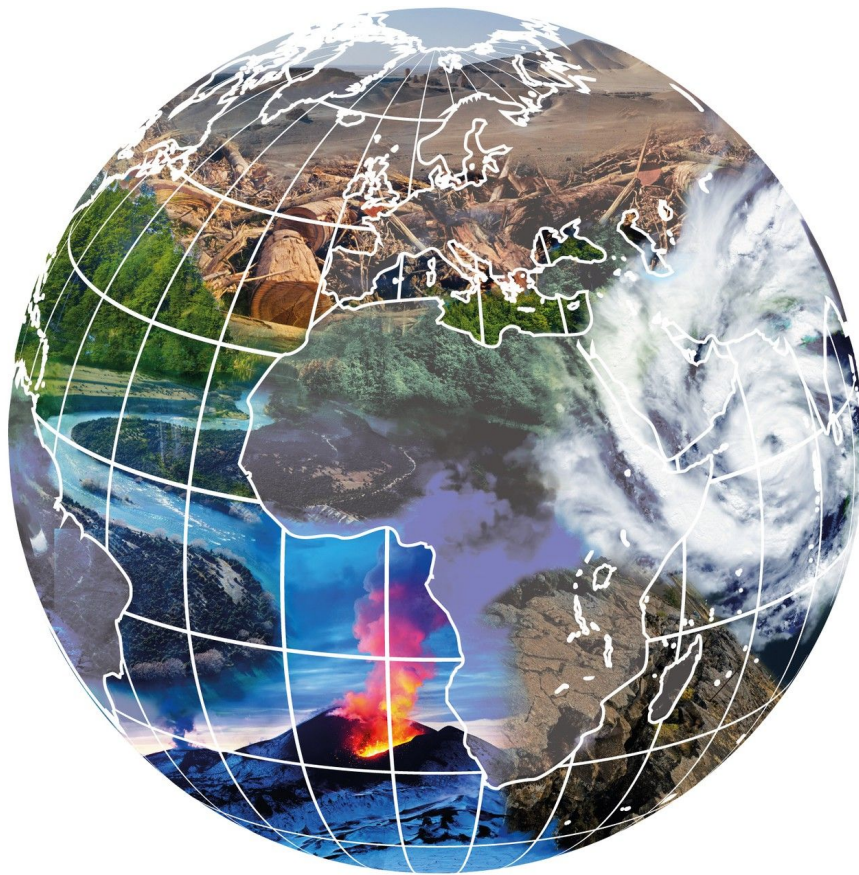


UNIVERSITÀ
DEGLI STUDI
DI PADOVA

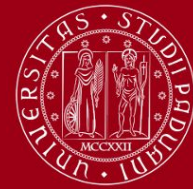
PH.D. COURSE IN GEOSCIENCES

**Program of Ph.D. annual
presentations
XXXVII-XXXVIII-XXXIX series**

September 2-4, 2024



Dipartimento di Geoscienze, Università di Padova
via Giovanni Gradenigo, 6 – Aula Catullo
Zoom: <https://unipd.link/t55deP>



PH.D. COURSE IN GEOSCENCES

Program of Ph.D. presentations – XXXVII-XXXVIII-XXXIX series

September 2-4, 2024

September 2 – XXXIX series – 1st year student presentations

	Candidate	Title of Ph.D. Thesis	Supervisor/ Co-Supervisor
h. 09.00	Chinello Miriana (XXXVII)	FORMATION OF POLISHED SURFACES IN NATURAL ROCKS: EXPERIMENTAL AND FIELD CONSTRAINTS	Di Toro/ Spagnuolo/Tesei
h. 09.30	Vanzani Federica (XXXVII)	REMOTE SENSING IN THE GEOMORPHOLOGICAL AND GEOARCHAEOLOGICAL STUDY OF ALLUVIAL PLAINS	Fontana/Mozzi
break			
h. 10.15	Zanola Elena (XXXVII)	TIMING, MODE AND TEMPO OF THE MAJOR CLIMATIC TRANSITIONS OF THE EARLY PLEISTOCENE: A CENTRAL MEDITERRANEAN PERSPECTIVE	Capraro/ Ferretti/Di Stefano
h. 10.45	Nava Lorenzo (XXXVII)	IMPROVING LANDSLIDE PREDICTION AND RAPID ASSESSMENT THROUGH MACHINE INTELLIGENCE	Catani/Monserrat
break			
h. 11.30	Aldrighetti Silvia	MECHANISM OF FORMATION OF TECTONIC "GIANT PSEUDOTACHYLITES"	Di Toro/Pennacchioni Baccheschi
h. 11.40	Salvadori Leonardo	SLOW SLIP MECHANISMS IN THE SEISMOGENIC ZONE	Tesei
h. 11.50	Veronese Mauro	NATURAL FORGERIES: FALSIFICATION TECHNIQUES OF MUSEUM SPECIMENS (FOSSILS AND MINERALS)	Artioli
h. 12.00	Krona Mikaela	CARBON CYCLING IN THE ANATECTIC DEEP CRUST	Cesare/ Bartoli/Carvalho
h. 12.10	Baldan Maela	ANALYSIS OF BIOMARKERS FROM PRE-PROTOHISTORIC ARCHAEOLOGICAL CONTEXTS BY MEANS OF SEPARATION TECHNIQUES COUPLED WITH MASS SPECTROMETRY	Nicosia/Battistel
break			
h. 12.30	Facci Marina (XXXVII)	DEEP CLOSED LOOP GEOTHERMAL HEAT EXCHANGER AND ENERGY TRANSITION BY OIL&GAS WELLS REUSE	Galgaro
h. 12.40	Michielotto Alessandro (XXXVII)	CLIMATE CHANGE AND INCREASING HUMAN PRESSURE	D'Alpaos
h. 12.50	Mozzon Sara (XXXVII)	ASSESSMENT AND MITIGATION OF CLIMATE CHANGE IMPACT ON URBAN SYSTEMS	da Porto
break			
h. 14.30	Abdulghany Abdullah Abualnour Ahmed	OPTIMIZING DESIGN AND PROCESSING STRATEGIES FOR RENEWABLE ENERGY EXPLORATION	Barone/ Cassiani/Strobbia
h. 14.40	Azzalin Mattia	ANCIENT HUMAN IMPACT ON ENVIRONMENTAL AND GEOMORPHIC DYNAMICS OF THE TRANSITIONAL ENVIRONMENTS	Fontana/ Mercuri/Donders
h. 14.50	Bressan Sofia	UNDERSTANDING OF THE TRIGGERING MECHANISMS OF INDUCED EARTHQUAKES IN MEDIUM AND HIGH ENTHALPY GEOTHERMAL POWER PLANTS USING NUMERICAL MODELLING	Cassiani/Brovelli
h. 15.00	Cacciari Serena	DEFORMATION MECHANISMS AT INTERMEDIATE DEPTHS IN SUBDUCTION ZONES: THE ROCK RECORD OF EARTHQUAKES AND SLOW EARTHQUAKES	Pennacchioni/ Cannaò/Sgambelluri
h. 15.10	Censini Matteo	HYDROGEOPHYSICAL TECHNIQUES FOR SPAC (SOIL-PLANT- ATMOSPHERE CONTINUUM) CHARACTERIZATION AND MONITORING OF STATE AND FLUXES OF MASS AND ENERGY	Cassiani
h. 15.20	Cesareo Ludovica Pia	KEEPING UP WITH CORROSION: HOW ENVIRONMENTAL STRESSES AND CLIMATE CHANGE AFFECT THE DETERIORATION OF METALLIC MATERIALS IN UNDERWATER CULTURAL HERITAGE SITES	Mazzoli




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h. 15.40	Conedera Davide	THE TRIASSIC FAUNAL RECOVERY IN THE DOLOMITES (SOUTHERN ALPS, ITALY)	Monari/ Gatto/Tintori
h. 15.50	Dong Yingbo	NOVEL APPROACHES FOR THE USE OF ADVANCED INSAR TIME-SERIES ANALYSIS IN ASSESSING AND FORECASTING GROUND DISPLACEMENTS	Catani/Floris
h. 16.00	Fabris Margherita	ANALYSIS, DIGITALISATION AND INTERVENTION ON URBAN AGGREGATES TO REVAMP HISTORICAL CENTRES AND VILLAGES (ADIACENT)	da Porto
h. 16.10	Khan Junaid	IMPROVED INSAR TECHNIQUES FOR ARTIFICIAL INTELLIGENCE-BASED MODELLING AND PREDICTION OF GROUND DEFORMATION	Floris /Rosi
h. 16.20	Mutai Victor	DATA SCIENCE AND LIFE CYCLE ANALYSIS OF SUSTAINABLE CEMENTITIOUS MATERIALS IN SUB-SAHARAN AFRICA	Valentini/ Mwiti Marangu
h. 16.30	Nesterova Olga	DENSELY DISTRIBUTED SENSOR NETWORKS FOR SEISMIC WAVE DETECTION IN COMPLEX ENVIRONMENTS FOR CIVIL ENGINEERING APPLICATIONS	Barone/ Cassiani/Brovelli
break			
h. 16.50	Novais Rodrigues Eduardo	ORIGIN, DEPTH, AND AGE OF SUPER-DEEP DIAMONDS	Nestola/ Pearson/Timmerman
h. 17.00	Regnotto Francesca	ROOF TILES MANUFACTURE. INTER-RELATIONSHIPS BETWEEN RAW MATERIALS SELECTION, PRE-TREATMENT AND PROCESSING PARAMETERS WITH MICROSTRUCTURE AND GELIVITY. RESOURCE AND ENVIRONMENTAL IMPACT OPTIMIZATION	Artioli
h. 17.10	Shrestha Sahansila	INCREASING THE RELIABILITY OF SIMULATIONS OF SEDIMENT CONNECTIVITY AND TRANSPORT IN RIVER NETWORKS	Bizzi/ Bozzolan/Pianosì
h. 17.20	Venisse Nolwen	FORMATION OF FAULT DAMAGE ZONES IN CARBONATES AND THEIR LINK WITH THE SEISMIC CYCLE	Di Toro/ Gabriel/Fondriest