

# Program of the GeoRaman 2022 Conference

Sunday 28 August	Monday 29 August	Tuesday 30 August	Wednesday 31 August	Thursday 1 September
8:30 - 9:00	<b>Opening of the Conference</b> Important information			
9:00 - 9:15	<b>Geoscience and Mineralogy</b> D. Bersani - session introduction	<b>Geoscience and Mineralogy</b> S. Andò - session introduction	<b>Environmental sciences</b> L. F. C. de Oliveira - session intro	<b>FIELD TRIP</b>
9:15 - 9:35	<b>Laura Borromeo</b> Detrital orthopyroxene as provenance tracer	<b>Mara Limonta</b> Raman identification of detrital garnet and epidote-group minerals...	<b>Peter Mojžeš</b> Barite and celestine biogenesis in the oceans	
9:35 - 9:55	<b>Barbora Pišová</b> Identification of multiphase mineral inclusions in the host garnets from borehole Tr-1 of Ceske stredohori Mts.	<b>Adam Culka</b> Estimation of carbonification of coals using a miniaturized Raman spectrometer	<b>Kateřina Němečková</b> Endolithic pigments in gypsum: Raman spectroscopic investigations of UV-screening pigments of cyanobacteria	
9:55 - 10:15	<b>Daniło Bersani</b> Fibrous glaucophane characterization by micro-Raman spectroscopy	<b>Sergio Andò</b> Raman spectroscopy in high-resolution heavy-mineral analysis of sedimentary rocks	<b>Maria Cristina Caggiani</b> Raman spectroscopy for the study of geopolymers: short review and new data	
	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	
11:00 - 11:20	<b>Stefanos Karamelas</b> Garnet inclusions in gem-quality fancy-coloured sapphires from Tanzania	<b>Eva Vermeersch</b> Raman spectroscopy of manganese oxide minerals	<b>Luiz Fernando Cappa de Oliveira</b> Raman spectroscopy applied to the identification of main coffee compounds	
11:20 - 11:40	<b>Filip Košek</b> Raman study of organic and other minerals from the guano deposit at Pabellón da Pica, Tarapaca region, Chile	<b>Khouloud Saadallah</b> Thermodynamic behavior of SO <sub>2</sub> -H <sub>2</sub> O systems at high pressure and temperature: an experimental Raman-numerical approach	<b>Fran Nekvapil</b> Valorisation prospects for waste biomineral from echinoderms probed by Raman spectroscopy techniques	
11:40 - 12:00	<b>Guido Pastore</b> Raman spectroscopy applied to detrital zircon. How to discriminate within single age populations.	<b>Karol Dąbrowski</b> Application of Raman spectroscopy in determination of thermodynamic and transport properties of rocks for an advanced Underground Gas Storage	<b>Techniques and Instrumentation</b> P. Vandenabeele - session introduction	
12:00 - 12:20	<b>Andrey Korsakov</b> Raman spectroscopic study of hydrothermally synthesized K-bearing tourmaline		<b>Mariia Sidorova</b> Feasibility of fiber-dispersive Raman spectrometer with single-photon sensitivity for detection of biomarkers in rock-forming minerals and ice matrices	
	<b>LUNCH BREAK</b>	<b>LUNCH - GRISAC meeting</b>	<b>LUNCH BREAK</b>	
14:00 - 14:15 REGISTRATION	<b>Planetary science and Exobiology</b> J. Jehlička - session introduction	<b>Olga Prieto-Ballesteros</b> Deciphering Phobos by the Raman Spectrometer RAX on-board the rover for MMX mission	<b>Márta Berkesi</b> 3D Raman imaging of multiphase fluid inclusions: a novel tool to unravel subduction fluids	
14:15 - 14:35	<b>Sunanda Sharma</b> 400 Sols of Raman with SHERLOC on Mars	<b>Ozan Unsalan</b> Vibrational spectroscopic investigation of the first Turkish lunar regolith simulant	<b>Szymon Kuczyński</b> Experimental determination of two-phase flow thermodynamics in microfluidic porous media with Raman spectroscopy	
14:35 - 14:55	<b>Guillermo Lopez-Reyes</b> SuperCam acquisition optimization and data processing to facilitate Raman detections on Mars	<b>Cultural heritage and Archaeometry</b> H. G. M. Edwards - session intro	<b>Kay Sowoidnich</b> Towards in-situ shifted excitation Raman difference spectroscopy for molecular fingerprinting of soils	
14:55 - 15:15	<b>Lucas Demaret</b> Characterisation of Fe-rich fossil hydrothermal vents as Mars analogue samples by Raman spectroscopy	<b>Peter Vandenabeele</b> Combining spatial and molecular information: Macro-Raman mapping of art objects	<b>Renishaw</b> <b>Josef Sedlmeier</b> Simultaneous Raman and SEM imaging of mineral sections	
15:15 - 15:35	<b>Rui-Lin Cheng</b> Raman imaging of silica sinters from Chile	<b>Václava Antušková</b> The role of Raman spectroscopy in the detection of forgeries from art collections	<b>Optik Instruments (Bruker)</b> <b>David Matoušek</b> The Hybrid (FT + Dispersive) Raman technology and its use in mineralogy	
15:35 - 15:55	<b>Jan Jehlička</b> Raman spectroscopy of microbiological pigments of epiliths and endoliths from gypsum, marbles and serpentinites	<b>Bottura Scardina</b> Raman spectroscopy of natural organic dyes	<b>Closure of the Conference</b>	
	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	
16:00 - 18:00	<b>POSTER SESSION</b>	<b>POSTER SESSION</b>		
<b>ICEBREAKER</b>	<b>FESTIVE KAROLINUM BANQUET</b>	<b>EVENING PROGRAM</b>	<b>CONFERENCE DINNER</b>	