

Program of the GeoRaman 2022 Conference

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

Oral presentations

Each speaker is given 15 minutes for the oral presentation, additional 5 minutes are reserved for questions and discussion.

Poster presentations

