

16TH INTERNATIONAL GEORAMAN CONFERENCE, RHODES, GREECE, 24/27.09.2024

		PROGRAM					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
	23/9	24/9	25/9	26/9	27/9		
	8:00-8:30	REGISTRATION					
	8:30-9:00	OPENING OF THE CONFERENCE					
	9:00-9:15	<p>Remy talk Chair/Presenter: Adam Cuba</p> <p>Maria Luca Frazzetti</p> <p>Raman Microspectroscopy to Unravel Earth's Deep Carbon Cycling</p>	<p>Remy talk Chair/Presenter: Howell Edwards</p> <p>Lutz Nasdala</p> <p>Raman Spectroscopy - How It All Began</p>				
	9:15-9:30						
	9:30-9:45						
	9:45-10:00	<p>David Pavlenko, Peter Voronchak, Alberto Resentini, Yamilck Burel</p> <p>High resolution Raman mapping applied to geothermochronology</p>	<p>Juan Reyes Rodriguez, Marco Veneranda, Sofia Juve-Gonzalez, Aurelio Sanz-Amanz, Jose Antonio Manrique, Fernando Rull, Guillermo Lopez-Royes</p> <p>Raman Spectroscopy Sensor for Gas Detection: Implications for Planetary Exploration and Industry</p>				
	10:00-10:15	<p>Lorena Pappas, Simona Raneri, Alessandra Gianonelli, Sebastian Schoeder, Laurent Tranchant, Sabrina Mazzarelli, Luciana Karampala, Ferdinando Bossi, Stefania Karampala, Danilo Bersani</p> <p>Exploring Tourmaline Chemistry: Insights From JUNOS, a 600 Å Raman Spectroscopy</p>	<p>Andoni G. Moral, Carlos Perez, Laura Seoane, Pablo Rodriguez-Perez, Iñaki Huchison, Hannah Lerman, Melissa McHugh, Patricia Benito Parajo, Jesús Zafra, J. A. Rodriguez, Rosario Carcalch, Pilar Santamaría, Olga Prieto-Ballesteros, Juan López, José Antonio Manrique, G. Lopez Royes, I. Llanodraskovic, A. Ball</p> <p>The PHOENIX for PANGAEA project: Portable and combined Raman instruments for ESA's future Lunar astromaterial exploration programme</p>				
	10:15-10:30	<p>Kirill Andrey Andrey, Damin Sergey, Mikhailenko Denis</p> <p>Raman imaging of melt inclusions in kyanite porphyroblasts in high pressure granulite xenoliths (the Eastern Pamir)</p>	<p>Shao Wang, Xin Zhang</p> <p>Application of surface-enhanced Raman technique to in-situ detection of deep-sea cold seep</p>				
	10:30-11:00	COFFEE BREAK					
	11:00-11:15	<p>Katerina Pappadopoulou, Denis Mikhailenko</p> <p>Inclusions of Disordered Graphite in Kyanite-bearing Pelitic Granulite (the Eastern Pamir)</p>	<p>Patric Simoes, Joana Barreira, Ludmila Ferreira, Carmen Sanchez-Vila, Stephen Newman, Jaeger Herrel, Eleni Karatza, Dimitris Pallas, Platon N. Okamoto, Paul Asimov</p> <p>Raman Spectroscopy of the Steubica Meteorite</p>				
	11:15-11:30	<p>Tatyana Hovari, Sergey Zhmoldi, Sergey Gayalov</p> <p>Raman spectra of pyrite from black shale and asphaltite deposits, Russia</p>	<p>Luisa Palencia, Inar Prieto, Cristina Garcia-Florentina, Ines Aramendi, Laine Collins, Fernando Alberquilla, Jennifer Nolasco, Gorka Arak, Kapa Castro, Jesús Martínez-Frías, Juan Manuel Madariaga</p> <p>Raman Imaging as a key tool for determining the nature of organic inclusions and alteration phases in meteorites tested in a shergottite</p>				
	11:30-11:45	<p>Hankang Li, Ming Chou, Xian Wang</p> <p>Pressure Sensor Based on the Raman Shift of the 128-cm⁻¹ Band of Quartz for Pressure Measurements in the Hydrothermal Diamond-Anvil Cells</p>	<p>David Malabar, Ian R. Hutchinson, Hannah Lerman, Melissa McHugh, Gaskin E. Goffe</p> <p>PCA as a simple tool to characterize the composition of olivine and other oxide minerals from a meteorite sample interrogated by Raman spectroscopy</p>				
	11:45-12:00	<p>Jing Chou, Hankang Li, Xian Wang, Shengxi Li</p> <p>The Use of Raman Shifts of Quartz 128-cm⁻¹ Band for the Refinement of the α-β Quartz Pressure-Temperature Stability Boundary and the Acquisition of Isochores of NaCl-H₂O Solutions in the Hydrothermal Diamond-Anvil Cells</p>	<p>Esteban Ruiz, Iván Laraña, Tania Delgado, Laura Barrio, Guillermo Lopez-Royes, José Antonio Manrique, María Veneranda, Anaiza Sainza, Fernando Gálvez, José María Calafra</p> <p>Raman spectroscopic study of oligoclase at the Rio Pico of Pico (Azores) Spinnel (Amphibole) Inclusions</p>				
	12:00-12:15	<p>Angeliki Papadopoulou, Vasilios Pletas, Stephanos Kilias, Evangelia Dimou, Paraskevi Polymenakou, Paraskevi Nomiou, Vasiliki Papadimitriou, Joely Haak, Magnus Ivarsson, Nikos Kyriades</p> <p>Raman spectroscopy evidence for arsenic sulfide mineralized diatom-like structures in deep-sea hydrothermal vents of Kolyma: contribution to arsenic biomineralization</p>	<p>Jenny Zhang, Wang Cheng, Zu Q. Q. Xiaohu, Shi Erbin, Zeng Xiaojia, Changming Lu, Lu Yagite</p> <p>Mineral Modes Quantification of Lunar Soil Simulants by Raman Spectroscopy</p>				
	12:15-12:30	<p>Maria Camille Campos, Alexandre Tarantola, Caroline Hussard, Gabriele Chocay</p> <p>Identification of some salt hydrates by Raman spectroscopy</p>	<p>Jin Hui, Adam Cukla</p> <p>Colorizing stone by microorganisms: from microbes to archaeology: 30 years of Raman spectroscopic advances</p>				
	12:30-12:45	<p>Emmanuel Cruz Lopez, Fabio Gosetti, Sergio Andú, Davide Ballabio, Edoardo Garzanti</p> <p>Experimental Evaluation of Pyrite Weathering Assisted by Raman Hyperspectral Imaging</p>					
	12:45-13:45	LUNCH					
	13:45-14:00	<p>Michael Hondzo, Anna Stark, Simeon Yuzov, Athina Chalari</p> <p>Distributed Fibre Optic Sensing for CCUS Monitoring</p>	<p>Melissa McHugh, John Parnell, Ian Hutchinson, Hannah Lerman, Joseph Armstrong, Andoni Moral, Carlos Perez, Olga Prieto-Ballesteros, Carlos Perez, Cédric Malherbe, Howell Edwards</p> <p>Lithium exploration adapted from Raman diagnosis of phyllosilicates for Mars</p>				
	14:00-14:15	<p>Jianglong Yang, Shuang Jin, Wenmei Yan, Yan Chen, Yao Ge, Lei Shi</p> <p>Effects of Added Chemicals on Expansion of Oil Volume with CO₂ Injection: Experimental Studies with High Pressure Optical Cell (HP-OC) and In-situ Raman Spectroscopy</p>	<p>Conan Houghton, Ian Hutchinson, Hannah Lerman, Melissa McHugh, Howell Edwards, Andoni Moral, Carlos Perez, Olga Prieto-Ballesteros, Andrew Ball, Igor Drozdovskiy, Loredana Bessone, Cedric Malherbe</p> <p>Optimizing Handheld Instrumentation for Future Astromaterial Missions</p>				
	14:15-14:30	<p>Christos Salmas, Venantinos Alivisatos, Benedetti Kepar, Vasilios Sklitos, Petros Meza, Eleni Vasileiou, Ioannis Papanikolaou, Maria Peraki, Haritakis Papaniannou</p> <p>First Evidence of Microplastics in Mt. Tymfi's Akrotis Lake (Diagoras) in Greece Using μ-Raman Spectroscopy</p>	<p>Enli Erandadi, Ian Hutchinson, Melissa McHugh, Hannah Lerman, Howell G. M. Edwards, John Parnell, Joe Armstrong, Andoni Moral, Carlos Perez, Olga Prieto-Ballesteros</p> <p>Context Imaging Enabled Raman Analysis for ESA's PANGAEA Programme</p>				
	14:30-14:45	<p>Hanna Adveha Mäkelä, Anthony Dorazio, Mark Constantino, Bill David, Christopher Masjo, Anne Rich, Zsófia Thomas, Cheng Wang, Guan Heng Yeoh, Scott Monozee</p> <p>Twentieth Century Changes in the Fire Regimes of the Greater Blue Mountains World Heritage Area of Eastern Australia as Recorded in the Accumulation and Raman Character of Charcoal in Temperate Highland Peat Sequences</p>	<p>Jack Stachan-Dod, Ian Hutchinson, Hannah Lerman, Melissa McHugh, Howell Edwards, Andrew Ball, Igor Drozdovskiy, Loredana Bessone</p> <p>Development of a Raman Spectrometer Autoclave System</p>				
	14:45-15:00	<p>Rafael Alonso-Ferraz, Adriana Hermann, Daniel Grey, Manuel Palacios, Arthur McClelland</p> <p>Micro-Raman Spectroscopy Characterization of Emeralds Combined With LA-ICP-MS Analysis and Multivariate Statistical Methods</p>	<p>Hannah Lerman, Ian Hutchinson, Melissa McHugh, Howell Edwards, Fernando Rull, Andoni Moral, Carlos Perez, Olga Prieto-Ballesteros, John Parnell, Joe Armstrong, Christian Schroder</p> <p>Raman Spectroscopy on the Moon: the space HAKUTO-R/MSO-4</p>				
	15:00-15:15	<p>Stefania Karampala, Ugo Hennebelle, Aurélien Delavay</p> <p>Raman spectroscopy of amphibole inclusions in emeralds</p>	<p>Esteban Ruiz, Marco Veneranda, José Antonio Manrique, Pilar Remido, Paula Xacabeo Vega, Juan Reyes-Rodriguez, Aurelio Ben-Avramo, Fernando Rull, Guillermo Lopez-Royes</p> <p>Determine the Elemental Composition of Minerals from Complex Solid-Solution Series by Raman Spectroscopy: Implications for Mars Exploration Missions</p>				
	15:15-15:30	<p>Stefania Karampala, Stefano Legnelli, Vincenzo Palluchini, Simona Raneri</p> <p>The "Peace of Siena" in Arezzo (Italy) and their gems</p>	<p>Eréndico Escobar, Mickael Baquet, Jean Pierre Paul de Vera, Aurelien Canizares, Rebecca Martellotti, Thierry Sauvage, Paul Signé, Olivier Wendling, Aurélien Bottony, William Nave, Françoise Brédart</p> <p>Alteration of Astrobiological Materials under Proton Irradiation Studied by In-Situ Raman Spectroscopy: Relevance for the Search for Life on Mars</p>				
	15:30-15:45	<p>László E. Aradi, Ester Horváth, Viktória Mészai, Bernadett Bajnóczi</p> <p>Tracking Gemel Provenance of Polychrome Jewellery from the Hunnic Period in the Carpathian Basin</p>	<p>Alan Wang, Chuck Yan, Andrew Jackson, Neil Sturchio, Alex Bradley, Jen Houghton, Hao Yan, Huiming Bao, Kevin Olson</p> <p>Chlorine Cycle on Mars Driven by Heterogeneous Electrochemistry (HEC)</p>				
	15:45-16:00	<p>Maria Nikolaou, Stefania Karampala, Evangelia Tsompanaki, Lambini Pappadopoulou, Christos Katsifas, Ioannis Nafis, Annetta Tourantidou, Vasilios Melios, Nikolaos Kantiranis</p> <p>Gems in Hellenic Jewellery of ancient Pnyca from the Collections of the Archaeological Museum of Thessaloniki, Greece</p>	<p>Susanne Schröder, Ute Böttger, Yulchiro Cho, Heiko-Wilhelm Hübers, Olga Prieto-Ballesteros, Fernando Rull, Maximilian Buder, Yuli Runkel, Emma Dietz, Till Hageböhmer, Shingo Kamata, Emanuel Kopp, Andoni Moral Inza, Martin Perntner, Disbert Peter, Andreas Pohl, Kristin Pammelkamp, Sergio Ruffini, Conor Ryan, Thomas Saubert, Friedrich Schmitt, Fabian Seel, Stephan Wamee, Tomohiko Usui, Iris Weber, Karsten Westendorff</p> <p>RAX: The Raman Spectrometer on the MMX IDEXF Rover for in-situ Surface Analysis on Phobos</p>				
	16:00-16:30	COFFEE BREAK - POSTER SESSION					
	16:30-16:45		<p>Jose Antonio Manrique, Elise Clave, Guillermo Lopez-Royes, Oliver Royes, Marco Veneranda, Juan Martha Ollas, Olivier Fani, Evni Dehouck, Kapa Castro, Juan Manuel Madariaga, Jaione Aramendi, Inate Pobacion, Shiv K. Sharma, Susanne Schroder, Sylvain Bernard, José Corveira, Elen Helly, Sofia Juve-Gonzalez, Juan Reyes-Rodriguez, Tatyra Acosta, Teresa Farnano, Fernando Rull, Sylvette Maurice, Olivier Gashauff, Sam Clegg, Agnes Cousin, Roger Wiens, the SuperCam Raman Working Group, the SuperCam Team</p> <p>SuperCam: 1000 Sols of Roman Results From Jovito Crater</p>				
	16:45-17:00		<p>Olga Prieto-Ballesteros, César Menor Salván, Laura J. Bonales, Yulchiro Cho, Andoni G. Moral, Javier Sánchez-España, Carlos Peral-Camero, Oscar Ercilla, Ana de Dios-Cuallitas</p> <p>Asteroid Treasure Hunt Probing Proberic precursors in C-Type Asteroids</p>				
	17:00-17:15	POSTER SESSION					
	17:15-17:30	POSTER SESSION					
	17:30-17:45	POSTER SESSION					
	17:45-18:00	POSTER SESSION					
	18:00-20:00	GUIDED VISIT TOUR IN THE MEDIEVAL AND THE NEW CITY					
	20:00-22:00	WELCOME DRINK		CONFERENCE DINNER		GRISAC DINNER	

FIELD EXCURSION

Cultural Heritage & Archaeometry
Chair: Adriano Sabatini, Jari Veikkola

Cultural Heritage & Archaeometry
Chair: Peter Vandembaele, Adriano Sabatini

Sponsors
1230-1250
Chair: Gerasimos Papanikolaou

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