	MONDAY
	23/9
18.00-20.00	REGISTRATION

	TUESDAY		
	24/9		
8.00-8.30	REGISTRATION		
8.30-9.00	OPENING OF THE CONFERENCE		
9.00-9.15	**Plenary Talk** Chair/Presenter: Adam Culka	Maria Luce Frezzotti	**Raman Microspectroscopy to Unravel Earth's Deep Carbon Cycling**
9.15-9.30			
9.30-9.45			
9.45-10.00	**Mineralogy & Petrology** Chair: Sergio Ando, Stavros Triantafyllidis	**Guido Pastore, Pieter Vermeesch, Alberto Resentini, Yannick Buret**	High resolution Raman mapping applied to geo/thermochronology
10.00-10.15		**Lorenzo Pasetti, Simona Raneri, Alessandra Gianoncelli, Sebastian Schoeder, Laurent Tranchant, Sabrina Nazzareni, Luciana Mantovani, Ferdinando Bosi, Stefanos Karampelas, Danilo Bersani**	Exploring Tourmaline Chemistry: Insights From μXANES, μXRF And Raman Spectroscopy
10.15-10.30		**Korsakov Andrey, Demin Sergey, Mikhailenko Denis**	Raman imaging of melt inclusions in kyanite porphyroblasts in high pressure granulite xenoliths (the Eastern Pamir)
10.30-11.00	*COFFEE BREAK*		

11.00-11.15	**Mineralogy & Petrology** Chair: Marie-Camille Caumon, Andrey Korsakov	**Ekaterina Podugolnikova, Denis Mikhailenko**	Inclusions of Disordered Graphite in Kyanite-bearing Felsic Granulite (the Eastern Pamir)
11.15-11.30		**Tatyana Moroz, Sergey Zhmodik, Sergey Goryainov**	Raman spectra of pyrite from black shale and asphaltite deposits, Russia
11.30-11.45		**Jiankang Li, I-Ming Chou, Xian Wang**	Pressure Sensor Based on the Raman Shift of the 128-cm^{-1} Band of Quartz for Pressure Measurements in the Hydrothermal Diamond-Anvil Cells
11.45-12.00		**I-Ming Chou, Jiankang Li, Xian Wang, Shenghu Li**	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–H_2O Solutions in the Hydrothermal Diamond-anvil Cells
12.00-12.15		**Angeliki Papoutsa, Vasilios Pletsas, Stephanos Kilias, Evangelia Dimou, Paraskevi Polymenakou, Paraskevi Nomikou, Vasiliki Papadimitriou, Joely Maak, Magnus Ivarsson, Nikos Kyrpides**	Raman spectroscopy evidence for arsenic-sulfide mineralized diatom-like structures in deep-sea hydrothermal vents at Kolumbo: contribution to arsenic biomineralization
12.15-12.30		**Marie-Camille Caumon, Alexandre Tarantola, Caroline Hussard, Gabrielle Chauvel**	Identification of some salt hydrates by Raman spectroscopy
12.30-12.45		**Enmanuel Cruz Muñoz, Fabio Gosetti, Sergio Andò, Davide Ballabio, Eduardo Garzanti**	Experimental Evaluation of Pyrite Weathering Assisted by Raman Hyperspectral Imaging
12.45-13.45	***LUNCH***		

13.45-14.00	**Geo-Environment & Geo-Energy** Chair: Evangelia Pavlatou, Maria Perraki	**Michael Mondanos, Anna Stork, Sinem Yavuz, Athena Chalari**	Distributed Fibre Optic Sensing for CCUS Monitoring
14.00-14.15		**Jianqiang Yang, Shuang Jin, Wenmei Yan, Yan Chen, Yao Ge, Lei Shi**	Effects of Added Chemicals on Expansion of Oil Volume with CO_2 Injection: Experimental Studies with High Pressure Optical cell (HPOC) and In-situ Raman Spectroscopy
14.15-14.30		**Christos Salmas, Konstantis Alexopoulos, Benedikt Kaspar, Vasilios Skliros, Petros Mecaj, Eleni Vasileiou, Ioannis Papanikolaou, Maria Perraki, Haritakis Papaioannou**	First Evidence of Microplastics in Mt. Tymfi's Alpine Lake (Dragonlake) in Greece Using μ-Raman Spectroscopy
14.30-14.45		**Maame Adwoa Maise, Anthony Dosseto, Mark Constantine, Brit David, Christopher Marjo, Anne Rich, Zoë Thomas, Cheng Wang, Guan Heng Yeoh, Scott Mooney**	Twentieth Century Change 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 Swamps
14.45-15.00	**Gemmology** Chair: Stefanos Karampelas, Danilo Bersani	**Raquel Alonso-Perez, Adriana Heimann, Daniel Grey, Manuel Palacios, Arthur McClelland**	Micro-Raman Spectroscopy Characterization of Emeralds Combined With LA-ICPMS Analysis And Multivariate Statistical Methods
15.00-15.15		**Stefanos Karampelas, Ugo Hennebois, Aurélien Delaunay**	Raman spectroscopy of amphibole inclusions in emeralds
15.15-15.30		**Stefania Martiniello, Stefano Legnaioli, Vincenzo Palleschi, Simona Raneri**	The "Pace di Siena" in Arezzo (Italy) and their gems
15.30-15.45		**László E. Aradi, Eszter Horváth, Viktória Mozgai, Bernadett Bajnóczi**	Tracking Garnet Provenance of Polychrome Jewellery from the Hunnic Period in the Carpathian Basin
15.45-16.00		**Maria Nikopoulou, Stefanos Karampelas, Evangelia Tsangaraki, Lambrini Papadopoulou, Christos Katsifas, Ioannis Nazlis, Annareta Touloumtzidou, Vasilios Melfos, Nikolaos Kantiranis**	Garnets in Hellenistic Jewellery of ancient Pydna from the Collections of the Archaeological Museum of Thessaloniki, Greece
16.00-16.30	***COFFEE BREAK - POSTER SESSION***		

16.30-17.45	**POSTER SESSION**
18.00-20.00	**GUIDED VISIT TOUR IN THE MEDIEVAL AND THE NEW CITY**
20.00-22.00	**WELCOME DRINK**

	WEDNESDAY		
	25/9		
9.00-9.45	**Plenary Talk** Chair/Presenter: Howell Edwards	**Lutz Nasdala**	**Raman Spectroscopy - How It All Began**
9.45-10.00	**Raman Techniques & Instrumentation** Chair: Luiz Fernando Cappa De Oliveira, Georgios Polymeris	**Iván Reyes-Rodríguez, Marco Veneranda, Sofía Julve-González, Aurelio Sanz-Arranz, Jose Antonio Manrique, Fernando Rull, Guillermo Lopez-Reyes**	Raman Spectroscopy Sensor for Gas Detection: Implications for Planetary Exploration and Industry
10.00-10.15		**Andoni G. Moral, Carlos Pérez, Laura Seoane, Pablo Rodríguez-Pérez, Ian Hutchinson, Hannah Lerman, Melissa McHugh, Marina Benito Parejo, Jesús Zafra, J. A. Rodríguez, Rosario Canchal, Pilar Santamaría, Olga Prieto-Ballesteros, Iván López, José Antonio Manrique, G. Lopez Reyes, I. Drozdorovsky, A. Ball**	The PHOENIX for PANGAEA project: Portable and combined Raman instruments for ESA's future Lunar astronaut exploration programme

10.15-10.30		**Siyu Wang, Xin Zhang**	Application of surface-enhanced Raman technique to in-situ detection of deep-sea cold seep
10.30-11.00	***COFFEE BREAK***		

11.00-11.15	**Planetary Sciences & Exobiology** Chair: Fernando Rull, Alian Wang	**Myrto Simopoulou, Ioannis Baziotis, Ludovic Ferrière, Carmen Sanchez-Valle, Stephan Klemme, Jasper Berndt, Eirini Kakaratza, Dimitrios Palles, Platon N. Gkamaltetsos, Paul Asimow**	Raman Spectroscopy of the Slobodka Meteorite
11.15-11.30		**Iratxe Población, Itziar Prieto, Cristina García-Florentino, Julene Aramendia, Leire Coloma, Fernando Alberquilla, Jennifer Huidobro, Gorka Arana, Kepa Castro, Jesús Martínez-Frías, Juan Manuel Madariaga**	Raman imaging as a key tool for determining the nature of organic inclusions and alteration phases in meteorites tested in a shergottite
11.30-11.45		**Cedric Malherbe, Ian B. Hutchinson, Hannah Lerman, Melissa McHugh, Gauthier Eppe**	PCA as a simple tool to characterize the composition of olivine and other oxide minerals from a meteorite sample interrogated by Raman spectroscopy
11.45-12.00		**Fernando Rull, Javier Laserna, Tomás Delgado, Laura Garcia, Guillermo Lopez-Reyes, Jose Antonio Manrique, Marco Veneranda, Aurelio Sanz-Arranz, Fernando Gázquez, Jose María Calaforra**	Raman spectroscopic study of sulphates at Mina Rica of Pulpí (Almería Spain) Astrobiological Implications
12.00-12.15		**Fernando Alberquilla, Julene Aramendia, Leire Coloma, Iratxe Población, Jennifer Huidobro, Irantzu Martínez-Arkarazo, Kepa Castro, Gorka Arana, A. González, R. Gisbert, Jesús Martínez-Frías, Juan Manuel Madariaga**	Exploring the mineralogical geodiversity of Cueva del Vidrio in La Palma (Canary Islands, Spain) through Raman spectroscopy: A new terrestrial analogue for planetary exploration

12.15-12.30		**Ling Zongcheng, Wang Chenyu, Zou Qi, Qi Xiaobin, Shi Erbin, Zeng Xiaojia, Changqing Liu, Lu Yingbo**	Mineral Modes Quantification of Lunar Soil Simulants by Raman Spectroscopy
12.30-12.45		**Jan Jehlicka, Adam Culka**	Colonizing stone by microorganisms: from microbes to astrobiology: 30 years of Raman spectroscopic deployments
12.45-13.45	***LUNCH***		

13.45-14.00	**Planetary Sciences & Exobiology** Chair: Ian Hutchinson, Zongcheng Ling (Lewis)	**Melissa McHugh, John Parnell, Ian Hutchinson, Hannah Lerman, Joseph Armstrong, Andoni Moral, Olga Prieto Ballesteros, Carlos Perez, Cédric Malherbe, Howell Edwards**	Lithium exploration adapted from Raman diagnosis of phyllosilicates for Mars
14.00-14.15		**Conan Murgatroyd, Ian Hutchinson, Hannah Lerman, Melissa McHugh, Howell Edwards, Andoni Moral, Carlos Pérez, Olga Prieto-Ballesteros, Andrew Ball, Igor Drozdovskiy, Loredana Bessone, Cedric Malherbe**	Optimising Handheld Instrumentation for Future Astronaut Missions
14.15-14.30		**Sidhi Karavadra, Ian Hutchinson, Melissa McHugh, Hannah Lerman, Howell G.M. Edwards, John Parnell, Joe Armstrong, Andoni Moral, Carlos Pérez, Olga Prieto-Ballesteros**	Context Imaging Enabled Raman Analysis for ESA's PANGAEA Programme
14.30-14.45		**Jack Strachan-Deol, Ian Hutchinson, Hannah Lerman, Melissa McHugh, Howell Edwards, Andrew Ball, Igor Drozdovskiy, Loredana Bessone**	Development of a Raman Spectrometer Autofocus System

14.45-15.00		**Hannah Lerman, Ian Hutchinson , Melissa McHugh, Howell Edwards, Fernando Rull, Andoni Moral, Carlos Pérez, Olga Prieto-Ballesteros, John Parnell, Joe Armstrong, Christian Schröder**	Raman Spectroscopy on the Moon: the ispace HAKUTO-R Mission 4
15.00-15.15		**Sofia Julve-González, Marco Veneranda, Jose Antonio Manrique, Pilar Renedo, Paula Xiaozhen Vega, Iván Reyes-Rodríguez, Aurelio Sanz-Arranz, Fernando Rull, Guillermo Lopez-Reyes**	Determine the Elemental Composition of Minerals from Complex Solid-Solution Series by Raman Spectroscopy: Implications for Mars Exploration Missions
15.15-15.30		**Frédéric Foucher, Mickael Baqué, Jean-Pierre Paul de Vera, Aurélien Canizarès, Rebecca Martellotti, Thierry Sauvage, Paul Sigot, Olivier Wendling, Aurélien Bellamy, William Hate, Frances Westall**	Alteration of Astrobiological Materials under Proton Irradiation Studied In Situ by Raman Spectroscopy: Relevance for the Search for Life on Mars
15.30-15.45		**Alian Wang, Chuck Yan, Andrew Jackson, Neil Sturchio, Alex Bradley, Jen Houghton, Hao Yan, Huiming Bao, Kevin Olsen**	Chlorine Cycle on Mars Driven by Heterogeneous Electrochemistry (HEC)
15.45-16.00		**Susanne Schröder, Ute Böttger, Yuichiro Cho, Heinz-Wilhelm Hübers, Olga Prieto-Ballesteros, Fernando Rull, Maximilian Buder, Yuri Bunduki, Enrico Dietz, Till Hagelschuer, Shingo Kameda, Emanuel Kopp, Andoni Moral Inza, Martin Pertenais, Gisbert Peter, Andreas Pohl, Kristin Rammelkamp, Sergio Rufini, Conor Ryan, Thomas Säuberlich, Friedrich Schrandt, Fabian Seel, Stephan Ulamec, Tomohiro Usui, Iris Weber, Karsten Westerdorff**	RAX: The Raman Spectrometer on the MMX IDEFIX Rover for in-situ Surface Analysis on Phobos
16.00-16.30	***COFFEE BREAK***		

16.30-16.45	**Planetary Sciences & Exobiology** Chair: Adam Culka	**Jose Antonio Manrique, Elise Clave, Guillermo Lopez-Reyes, Olivier Beyssac, Marco Veneranda, Ann Martha Ollila, Olivier Forni, Erwin Dehouck, Kepa Castro, Juan Manuel Madariaga, Julene Aramendia, Iratxe Poblacion, Shiv K. Sharma, Susanne Schroder, Sylvain Bernard, Jade Comellas, Evan Kelly, Sofia Julve-Gonzalez, Ivan Reyes-Rodriguez, Tayro Acosta, Teresa Fornaro, Fernando Rull, Sylvestre Maurice, Olivier Gasnault, Sam Clegg, Agnes Cousin, Roger Wiens, the SuperCam Raman Working Group, the SuperCam Team**	SuperCam: 1000 Sols of Raman Results From Jezero Crater
16.45-17.00		**Olga Prieto-Ballesteros, César Menor-Salván, Laura J. Bonales, Yuichiro Cho, Andoni G. Moral, Javier Sánchez-España, Carlos Perez-Canora, Oscar Ercilla, Ana de Dios-Cubillas**	Asteroidal Treasure Hunt Probing Prebiotic precursors in C-Type Asteroids
17.00-17.45	**POSTER SESSION**		
20.00-22.00	**CONFERENCE DINNER**		

	THURSDAY
	26/9
9.00-17.00	**FIELD EXCURSION**
20.00-22.00	**GRISAC DINNER**

	FRIDAY		
	27/9		
9.00-9.15	**Cultural heritage & Archaeometry** Chair: : Asterios Bakolas, Jan Jehlička	**Andrea Bergomi, Valeria Comite, Cristina Della Pina, Paula Carmona-Quiroga, Laura Maestro-Guijarro, Mohamed Oujja, Ana Crespo, Chiara Andrea Lombardi, Santiago Sánchez-Cortés, Mattia Borelli, Marta Castillejo, Sagrario Martínez-Ramírez, Paola Fermo**	Raman Imaging for Stratigraphic Analysis of Black Crusts from the Monumental Cemetery (Milan)
9.15-9.30		**Peter Vandenabeele**	Imagine a Ship: Optimising Macro-Raman Mapping Procedures
9.30-9.45		**Alberto Sánchez, Manuel Montejo, Peter Vandenabeele, Ginés De Gea, José Tuñón, Mario Gutiérrez, Laura Laura Vico, Rosario Martínez**	Spectroscopic Analysis of Roman Mosaics of Upper Guadalquivir Valley (Spain)
9.45-10.00		**Eva Vermeersch, Sara Valadas, Virgínia Glória Nascimento, Rita Oliveira, Jose Mendes, Susana Campos, Joaquim Caetano, Anastasia Rousaki, Johan De Grave, Antonio Candeias, Peter Vandenabeele**	Raman and fluorescence bands of natural ultramarine pigment
10.00-10.15		**Eleni Aggelakopoulou, Asterios Bakolas, Anastasia Panou, Aikaterini Frantzikinaki**	Egyptian Blue in the Polychromy of the Acropolis monuments
10.15-10.30		**Thomas Katsaros**	“Tingabari” A cloudy ancient Athenian colour name deciphered using Raman spectroscopy – a new geological source of cinnabar in antiquity
10.30-11.00	***COFFEE BREAK***		

11.00-11.15	**Cultural Heritage & Archaeometry** Chair: Peter Vandenabeele, Manolis Stefanakis	**Luis Filipe Vieira Ferreira, T.M. Casimiro, C. Boavida, M.F.C. Pereira, Isabel Ferreira Machado**	Lead glazed medieval ceramics (13th -14th century) from Santarém, Portugal: An archaeometric study
11.15-11.30		**Isabel Luisa Ferreira Machado, Luis Filipe Vieira Ferreira**	Portuguese Tin Glazed Ceramics (16th to Early 18th Century) Found at the Tagus Estuary Saltpans
11.30-11.45		**Sergio Andò, Giovanni Vezzoli, Marta Barbarano, Laura Fornasini, Luciana Saviane, Danilo Bersani**	Preparation and Identification of Heavy Minerals for Archaeometrical Studies
11.45-12.00		**Alessio Di Iorio, Vincenzo Pascucci, Roberto Filippone, Nikolaos Schetakis, Ilaria Di Pietro, Giulia Di Iorio**	Portable Luminescence Instrumentation for in-situ Archaeological Applications The Need of Raman Technology
12.00-12.15		**Moritz Takeru Zöllner, Petra Dariz, Jens Riedel, Thomas Schmid**	Thermal decomposition of dolomite: High resolution Raman spectroscopy as a thermometric tool for the analysis of carbonates in mortar binders
12.15-12.30		**Armida Sodo, Antonella Privitera, Marta Sardara, Giancarlo Della Ventura, Mirella Serlorenzi, Silvia Fortunati**	Multi-analytical investigation on decorated fragments (134-138 AD) from the Roman Domus 'Vigna Guidi' at Terme di Caracalla (Rome Italy)
12.30-12.50	**Sponsors** Chair: Anastasia Rousaki	**Damla Özerem Şeki , Riccard Tagliapietra, Jorge Diniz, Jennifer Ferguson**	Raman multimodal solutions for the characterization of geological specimens
		Jianqiang Yang, Shuang Jin	Compact 488-532nm Dual Laser GeoRaman Microprobe
13.00-14.00	**CLOSURE OF THE CONFERENCE**		