PROGRAM

Monday — July 9, 2018

8.00 - 9.30		**Registration**
9.30 - 9.45		**Opening session**
9.45 - 10.30	PL1	**Recent advances in Infra-Red Spectroelectrochemistry** František Hartl
10.30 - 11.00		**Coffee break**
11.00 - 11.15	O1	**Adaptation of fungal plasma membrane to a drug challenge** Filipa Pedro Costa Santos
11.15 - 11.30	O2	**XPS studies on the in situ synthesis of nanostructures on polysaccharide surfaces** Ana Maria da Conceição Ferraria
11.30 - 11.45	O3	**Molecular spectroscopy: singles, ultrafast and nanoscale** Niek van Hulst
11.45 - 12.00	O4	**FT-Raman, SERS and DFT studies of the main alkaloids of Syrian Rue** Maria Vega Cañamares Arribas
12.00 - 12.15	O5	**Spectroscopic characterization of amphorae from the 8th to the 7th c. B.C. found at the Phoenician site of Almaraz, Almada, Portugal** Luis Filipe Vieira Ferreira
12.15 - 12.20	F1	**Ligand substituent effects in group-6 CO_2 reduction catalysts, $[Mo(CO)_4$(x,x'-dimethyl-2,2'-bipyridine] (x = 4 - 6)** James Taylor
12.20 - 14.00		**Lunch**
14.00 - 14.30	IL1	**Modeling the effect of the electrode potential in SERS by electronic structure calculations** Francisco José Ávila Ferrer
14.30 - 14.45	O6	**Gold nanoparticles characterization in cell culture medium using single particle-inductively coupled plasma-mass spectrometry (SP-ICP-MS)** Sergio Fernández Trujillo
14.45 - 15.00	O7	**The stuccos of the archaeological site of Cástulo (Linares, Spain): archaeometric approach by MRS, EDXRF and GC-MS** Alberto Sánchez Vizcaíno
15.00 - 15.15	O8	**Application of SERS technique for characterization of the drug - metal nanocarriers interaction** Natalia Piergies
15.15 - 15.30	O9	**Frequency shift on the potential-dependent surface-enhanced Raman scattering of pyridine: simplified models for metal and solvent effects** Daniel Aranda Ruiz
15.30 - 15.45	O10	**Unveiling elusive phenolic acid-membrane interactions with fluorescence spectroscopy techniques** António de Granada Flor
15.45 - 16.15		**Coffee break**
16.15 - 17.00	PL2	**Spectroscopy of astrophysical ice analogs in the IR and vacuum-UV** Guillermo Muñoz Caro
17.00 - 17.15	O11	**Surface-enhanced infrared absorption spectroscopy in molecule-metal conjugate study** Ewa Pieta
17.15 - 17.30	O12	**Improving vibrational mode interpretation using Bayesian regression** Filipe Teixeira
17.30 - 17.45	O13	**DFT and experimental IR spectra of adsorbed and UV processed glycine on bentonite: a Martian study** Vicente Timon
17.45 - 18.00	O14	**Theoretical assessment of new excited state pathways in a photochromic chromene: The 2,2-dimethyl-2H-1-benzopyran-6-carbonitrile** Adelino Galvão
18.00 - 18.05	F2	**Insights on the acting role of Martian atmosphere in the fragmentation pathways of organic and C-containing inorganic compounds using LIBS** Tomás Delgado
18.05 - 20.00		**Getting together & viewing posters**

Tuesday July 10, 2018

9.00 - 9.45	PL3	**Analytical Nanometrology: Looking for solutions to the challenge** Angel Rios Castro
9.45 - 10.00	O15	**Characterization of gold nanoparticles and dissolved gold species in in vitro toxicological studies by AF4-ICPMS** Sara Lopéz Sanz
10.00 - 10.15	O16	**Doped-photoluminescent nanoparticles in bioanalytical applications** Maria Teresa Fernandez-Argüelles
10.15 - 10.30	O17	**Which distinctive organizational features in mammals and fungi plasma membrane rely on their main sterol component?** Joaquim Manuel Trigo Marquês
10.30 - 10.45	O18	**Alkynone-based synthesis of heterocycles** Xiuling Cui
10.45 - 11.00	O19	**Single Cell Cisplatin Measurements by ICP-MS** João Barata
11:00 - 11.20		Coffee break
11.20 - 11.50	IL2	**Quest for a novel preparation method of carbon materials in routine chemical analysis** Pedro M. Costa
11.50 - 12.05	O20	**Nonlinear Absorption Spectroscopy of carbon dots reveals slective targeting of carbon clusters** Ermelinda Maria Sengo Maçôas
12.05 - 12.20	O21	**Development of direct analysis methodologies for dolerite prehistoric objects** Sonia Rubio Barberá
12.20 - 12.25	F3	**Rapid and simple detection of miRNA based on gold nanoparticles** Adrián Sánchez Visedo
12.25 - 12.30	F4	**Synthesis of planar chiral ferrocene derivatives via palladium-catalyzed C-H bond activation** Chao Pi
12.30 - 14.00		Lunch
14.00 - 14.30	IL3	**Luminescent techniques as analytical tools for environmental and food analysis** Concépcion Pérez Conde
14.30 - 14.45	O22	**Spectroscopic characterization of foods and drinks obtained by addition of new natural colorants** Ruperto Bermejo Román
14.45 - 15.00	O23	**Fast determination of Cd in wastewater using Solution Cathode Glow Discharge (SCGD) Optical Emission Spectroscopy** Raquel Álvarez Garcia
15.00 - 15.15	O24	**Quantification of low-levels of cyanide in contaminated waters using water-soluble NIR-emitting quantum dots** Pablo Llano Suárez
15.15 - 15.30	O25	**PQMS capabilities for calcium isotopes tracer in human nutrition studies** Rui Santos
15.30 - 17.00		Assembly of societies
17.00 - 20.00		Tours
20.30		Dinner at Zambeze

Wednesday July 11, 2018

9.00 - 9.45	PL4	**Optical capillary-based microfluidic devices** Luis Fermín Capitán Valvey
9.45 - 10.00	O26	**Low fragmentation by Pulsed Glow Discharge-TOFMS: the analysis of volatile organic compounds samples** Jonatan Fandino Rodríguez
10.00 - 10.15	O27	**Smartphone-based spectrometry: new portable system for food and pharmaceutical analysis** Miguel Ángel Aguirre Pastor
10.15 - 10.30	O28	**Vibrational portrait of a deep eutectic solvent: shape and hydrogen bonds** Ana Catarina Fernandes Araújo
10.30 - 10.35	F5	**In situ synthesis model of flavoprotein gold nanoparticles with fluorescent and plasmonic properties for nanobiosensors development** Alba Martín-Barreiro
10.35 - 11.05		**Coffee break**
11.05 - 11.35	IL4	**Photopatterning molecularly imprinted polymers** Olivier Soppera
11.35 - 11.50	O29	**Sensitive rapid fluorescence polarization immunoassay for free immunosuppressants determination in human serum** Ana Bettina Glahn Martínez
11.50 - 12.05	O30	**Cement microstructural changes via continuous CO_2 laser irradiation** Moisés Martín Garrido
12.05 - 12.20	O31	**Time and space resolved study of a modified LIBS plasma by on-line nebulization of Ca-containing solution** Cristina Méndez López
12:20 - 12:30		**Closing**
12.30 - 14.00		**Lunch (optional)**