

ISRP-14 PROGRAM

OCTOBER 7TH 2018 - SUNDAY

18:30 - 20:30 Registration

19:00 - 22:00 Welcome cocktail at Ferreyra Palace - Superior Museum of Fine Arts Evita

OCTOBER 8TH 2018 - MONDAY

08:00 - 08:30 ISRP-14 Opening Ceremony

08:30 - 09:00	Plenary Lecture A1 : Alice in Wonderland: How to understand Dementia from Fundamental Radiation Physics and Chemistry	Christopher Thomas Chantler. (Australia) School of Physics, University of Melbourne
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09:00 - 09:30	Plenary Lecture B1 : Synchrotron Radiation in Brazil: Past, present and future	Aldo Félix Craievich. (Brazil) Institute of Physics, University of São Paulo
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09:30 - 10:00	Plenary Lecture C1 : 2D and 3D graphene: from plasmonics to photoacoustics	Augusto Claudio Marcelli. (Italy) Laboratori Nazionali di Frascati LNF. INFN Istituto Nazionale di Fisica Nucleare
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10:00 - 10:30 Coffee Break in simultaneous with Poster Session Opening Exhibition Range

10:30 - 11:00	Plenary Lecture D1 : Magnetic structures studied by powder neutrons diffraction: Spin reorientation in perovskite structures	Raúl Carbonio. (Argentina) INFIQC-CONICET. Facultad de Ciencias Químicas. Universidad Nacional de Córdoba
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11:00 - 11:30	Plenary Lecture E1 : Recent advances in the low energy calibration of large liquid noble gas detectors	María Isabel Lopes. (Portugal) Laboratory of Instrumentation and Experimental Particle Physics. Universidade de Coimbra
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11:30 - 12:00	Plenary Lecture F1 : Studies of replacement of Am-Be and Cs-137 sources by D-T generators in oil well logging tools	William Lewis Dunn. (USA) Department of Mechanical and Nuclear Engineering, Kansas State University
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12:00 - 13:30 Lunch Interval (Restaurants, cafeterias and the university bistro are all of them near to the ISRP-14 venue)

13:30 - 14:00	Plenary Lecture G1 : New advances in Energy-Dispersive RIXS	Héctor Jorge Sánchez. (Argentina) FAMAFA, Universidad Nacional de Córdoba and National Scientific and Technical Research Council
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14:00 - 14:30	Plenary Lecture H1 : Techniques for identifying depth inhomogeneities of elemental distribution in materials	Ladislav Musílek. (Czech Republic) Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague
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14:30 - 15:00	Plenary Lecture I1 : Pharmaceutical applications of X-ray Diffraction	Silvia Lucía Cuffini. (Brazil) Instituto de Ciência e Tecnologia (ICT) Universidade Federal de São Paulo (UNIFESP) São José dos Campos-São Paulo
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15:00 - 15:30 Coffee Break

15:30 - 17:30	Oral Session 1 (Hall A)	Oral Session 2 (Hall B)	Oral Session 3 (Hall C)	Oral Contributions
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Poster Session 1

10:00 - 18:00 Posters Session 1 should remain hanging in their respective spots

17:30 - 18:00 Participants are all invited to Poster Session 1 exhibition range to discuss final remarks with the authors of the poster contributions

OCTOBER 9TH 2018 - TUESDAY

08:30 - 09:00	Plenary Lecture A2 : X-ray scattering methods in soft condensed matter, present and near future	Marcelo Ceolin. (Argentina) Instituto de Investigaciones Físico Químicas Teóricas y Aplicadas (INIFTA) Universidad Nacional de La Plata y CONICET
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09:00 - 09:30	Plenary Lecture B2 : Polarization Properties of X-rays and Their Applications to the X-ray Analysis.	Ryohei Tanaka. (Japan) Kyoto University
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09:30 - 10:00	Plenary Lecture C2 : X-ray Quantum Metrology	Lawrence T. Hudson. (USA) NIST
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10:00 - 10:30 Coffee Break

10:30 - 11:00	Plenary Lecture D2 : Tracking ancient people movements in the Sierras Pampeanas of Argentina by XRF, DRX and SEM on lithic technology			Gabriela Roxana Cattaneo. (Argentina) Instituto de Antropología de Córdoba. CONICET
11:00 - 11:30	Plenary Lecture E2 : Measuring ionization cross-sections by electron impact			Gustavo Castellano. (Argentina) FaMAF, Universidad Nacional de Córdoba – Instituto de Física Enrique Gaviola, CONICET
11:30 - 12:00	Plenary Lecture F2 : Synchrotron radiation x-ray microbeam-based techniques applied to agro-environmental sciences			Carlos Alberto Pérez. (Brazil) Brazilian Synchrotron Light Laboratory (LNLS), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, São Paulo
12:00 - 14:00	Lunch Interval			
14:00 - 18:30	ISRP-14 TOUR - The Jesuit Church of Alta Gracia and San Roque Lake circuit			
 OCTOBER 10TH 2018 - WEDNESDAY				
08:00 - 08:30	1st Bilateral Workshop on Applied Radiation Physics: an Argentina/Italian network: Opening Ceremony			Marcelo Rubio. (Argentina) ISRP-14 Chairman José Kenny, Italian Scientific Attaché, Embassy of Italy, Buenos Aires
08:30 - 09:00	Plenary Lecture A3 : Cultural Heritage Science at CNA (Seville, Spain): applications of XRF and IBA techniques to art and archaeological objects			Miguel Ángel Respaldiza. (Spain) US-CSIC-JA, Dpto. Física Atómica, Molecular y Nuclear, Universidad de Sevilla
09:00 - 09:30	Plenary Lecture B3 : Applications of spectrometric techniques for the study of historic and cultural-heritage artworks			Alejandro Martín Sánchez. (Spain) Universidad de Extremadura
09:30 - 10:00	Plenary Lecture C3 : Radiocarbon dating of cultural heritage objects – case studies of regional importance			Ines Krajcar Bronić. (Croatia) Division of Experimental Physics, Ruđer Bošković Institute, Zagreb
10:00 - 10:30	Coffee Break in simultaneous with Poster Session Opening Exhibition Range			
10:30 - 11:00	Plenary Lecture D3 : Highly-specific non-invasive imaging of cultural heritage artifacts by means of X-ray macroscopic X-ray powder diffraction scanning (MA-XRPD)			Koen Janssens. (Belgium) Chemistry Dept., University of Antwerp
11:00 - 11:30	Plenary Lecture E3 : Analysis of archaeological linen cloths: the shroud of Arquata			Stefania Bruni. (Italy) ENEA SSPT-MET-ISPREV. Laboratory of Seismic Engineering and Natural Hazards Prevention. Bologna
11:30 - 12:00	Plenary Lecture F3 : Determination of mineral crystal structures of micro and nanovolumes by combination of electron diffraction tomography and synchrotron powder X-ray diffraction: two mineralogical examples			Fernando Colombo. (Argentina) CICTERRA-CONICET, Universidad Nacional de Córdoba
12:00 - 12:30	Plenary Lecture G3 : Structural, Thermoluminescent and Optical Characterization of Gamma-Irradiated BeO			Juan Azorín Nieto. (Mexico) Physics Department, Metropolitan Autonomous University Campus Iztapalapa
12:30 - 13:30	Lunch Interval			
13:30 - 14:00	Plenary Lecture H3 : Full Recovering of an X-ray Spectrum from Detector Influence			Jorge E. Fernández. (Italy) Laboratory of Montecuccolino-DIN, Alma Mater Studiorum University of Bologna. Alma Mater Studiorum Università di Bologna Representación en la República Argentina, Buenos Aires, Argentina
14:00 - 14:30	Plenary Lecture I3 : Developments of X-Ray Fluorescence and Raman analytical techniques in the study of graphical documents			Marta Manso. (Portugal) Universidade Nova de Lisboa
14:30 - 15:00	Plenary Lecture J3 : XRF Mapping, the experience from industry			Michele Girona. (Italy) XGLab-Bruker, Bruker Nano GmbH
15:00 - 15:30	Coffee Break			
15:30 - 17:30	Oral Session 4 (Hall A)	Oral Session 5 (Hall B)	Oral Session 6 (Hall C)	Oral Contributions
Poster Session 2				
10:00 - 18:00	Posters Session 2 should remain hanging in their respective spots			
17:30 - 18:00	Participants are all invited to Poster Session 2 exhibition range to discuss final remarks with the authors of the poster contributions			
20:30	ISRP-14 Banquet and Music (Hotel de la Cañada)			

OCTOBER 11TH 2018 - THURSDAY

08:30 - 09:00	Plenary Lecture A4 : Doped silica real-time luminescence sensing of diagnostic X-rays			David Bradley (United Kingdom) Sunway University (Malaysia), University of Surrey (UK)
09:00 - 09:30	Plenary Lecture B4 : Application of laboratory X-ray spectroscopy instrumentation in Forensic Sciences			Ignasi Queralt (Spain) Dep. of Geosciences, IDAEA-CSIC, Barcelona
09:30 - 10:00	Plenary Lecture C4 : Analysis of nuclear reactions to determine the radionuclides generated and its activity in various devices			Gumersindo Verdú. (Spain) Departamento de Ingeniería Química y Nuclear, Universitat Politècnica de València
10:00 - 10:30	Coffee Break in simultaneous with Poster Session Opening Exhibition Range			
10:30 - 11:00	Plenary Lecture D4 : Radiation Protection and Dosimetry in Medicine - selected topics			Pedro Vaz (Portugal) Centro de Ciências e Tecnologias Nucleares, Universidade de Lisboa
11:00 - 11:30	Plenary Lecture E4 : Synchrotron radiation connecting x-ray spectroscopy, crystal & electronic structure			Eric L. Shirley (USA) Sensor Science Division, NIST
11:30 - 12:00	Plenary Lecture F4 : The physics of irradiation of biological matter by ion beams			Roberto D. Rivarola (Argentina) Instituto de Física Rosario, Universidad Nacional de Rosario
12:00 - 13:30	Lunch Interval (Restaurants, cafeterias and the university bistro are all of them near to the ISRP-14 venue)			
13:30 - 14:00	Plenary Lecture G4 : 3D anthropomorphic phantoms: problems and solutions in determining attenuation coefficients of feedstock			Odair Dias Gonçalves (Brazil) Institute of Physics, Federal University of Rio de Janeiro
14:00 - 14:30	Plenary Lecture H4 : The influence of tissue micro-structure on proton radiotherapy			Richard P. Hugtenburg (United Kingdom) Swansea University
14:30 - 15:00	Plenary Lecture I4 : Thoracic Hybrid PET/CT Image Registration			Saripani M. Iqbal (Malaysia) Department of Computer and Communication Systems Engineering. Faculty of Engineering. Universiti Putra
15:00 - 15:30	Coffee Break			
15:30 - 17:30	Oral Session 7 (Hall A)	Oral Session 8 (Hall B)	Oral Session 9 (Hall C)	Oral Contributions
Poster Session 3				
10:00 - 18:00	Posters Session 3 should remain hanging in their respective spots			
17:30 - 18:00	Participants are all invited to Poster Session 3 exhibition range to discuss final remarks with the authors of the poster contributions			
18:00 - 18:30	Closing Ceremony			