

# Friday 13

Aula Magna (Centro de Altos Estudios)		
<b>S05: Special Focus on Applications to Cultural Heritage and Art 2</b>		
9:00	Dual Energy Computed Tomography (DECT) for the characterization of heritage objects	Maria Pia Morigi, Nayyab Amjad, Matteo Bettuzzi, Patricia Guilló Vigo, Cecilia Riccardizi, Antonin Zajicek and Michal Vopálenký
9:20	Multianalytical identification of an atypical green pigment in late pre-Hispanic rock art from Inca Cueva, Northwestern Argentina	Matias Landino, Eugenia Ahets Etcheberry, Lucas Gheco, Marcos Tascon, Diego G. Lamas and Fernando Marte
9:40	Archaeometric study of ceramic production at the Ventarrón–Collud Archaeological Complex, Peru	Cheila Sumenssi de Araujo Desanti, Carlos R. Appoloni, Renato Ikeoka, Arcuri, Fagundes, Silva, Lopes, Silva and Samulewski
10:00	Multianalytical characterization of an Ary Brizzi easel painting	Carolina Sanchez Barberena, Astrid Blanco Guerrero, Pino Monkes, Alejandra Fazio and Marta Maier
10:20	Fluorescence-based and multitechnique spectroscopy for the non-invasive analysis of small-format printed objects	Cecilia Angulo Valdivia, María Gabriela Lagorio and Eugenia Tomasini
10:40	Accessible strategies for optimizing X-ray fluorescence measurements on paper-based heritage objects	Fermina Valeria Ziaurriz and Eugenia Paula Tomasini
11:00	Coffee Break	
<b>S06: Quantitative X-ray and Particle Analytical Techniques</b>		
11:30	Full theoretical modeling of inner-shell ionization, applications in cultural heritage and material technology	Claudia Montanari, Darío Mitnik and Jorge Miraglia
11:50	Operando chemical analysis of batteries by quantitative x-ray spectrometry	B. Beckhoff, K. Frenzel, G. Greco and S. Brutti
12:10	Multi-elemental X-ray fluorescence computed tomography: sub-millimetric mapping of samples containing Ag and Gd	Nicolás Eugenio Martín, Carolina Salinas Domjan, Miguel Sofo Haro and Mauro Valente
12:30	Integrating sub-millimetric morphological data as a framework for attenuation compensation in XFCT	Nicolás Eugenio Martín, Carolina Salinas Domján, Miguel Sofo Haro and Mauro Valente
12:50	Analysis of Metals in Biological Fluids Deposited on Paper Filters by X-Ray Fluorescence	Martina Brué, Juan José Leani, Héctor Jorge Sánchez and Roberto Daniel Perez
13:10	Lunch Interval	
<b>S07: Medical Radiation Protection and Dosimetry</b>		
14:30	Radiation Protection and Dosimetry Topics in the Novel Applications of Radiopharmaceuticals in Medicine	Pedro Vaz
14:50	Neutron thermalization and gamma spectrometry for neutron activation with Am-Be sources: A FLUKA Monte Carlo approach	Carolina Salinas Domján, Alejandro Ferreira, Miguel Sofo Haro and Mauro Valente
15:10	Exploring the potential use of steelworks waste as radiation shielding	Laura Damonte, Ma. del Carmen Menendez, Ma. Victoria Gallegos and Ma. Agustina Corti

15:30	Establishment of Diagnostic Reference Levels for Pediatric Interventional Cardiology Procedures Based on Procedural Complexity	Hugo Schelin, Akemi Yagui, Gabriel Martins, Eloisa Carneiro, Sergei Paschuk, Valeriy Denyak, Edney Milhoretto, Paula Vosiak, Adriano Legnani and Carlos Ubeda
15:50	Optimization of Image Quality and Radiation Dose in Flat Panel Digital Radiography	Hugo Schelin, Akemi Yagui, Rosiane Mello, Laura Ruckel, Priscila Castilho, Sergei Paschuk, Valeriy Denyak, Paula Vosiak and Adriano Legnani
16:10	Development and Clinical Dosimetric Validation of a MATLAB-Based Tool for Total Body Irradiation	Clara Lucia Latour, Victor Palacios and Ramiro Cufre
16:30	Coffee Break	
	<b>S08: Applications in Medicine and Biology</b>	
17:00	Low-Energy Antimatter Spectroscopy of Biological Samples: Wet Chamber Design and Dosimetry	Matteo Vicini, Rafael Ferragut, Paola Folegati and Claudio Conci
17:20	Scattered Radiation Intensity in Digital Mammography and Its Reduction Using Anti Scatter Grids	Laura Alcântara Silva Lopes, Bruno Beraldo Oliveira, Renato França Caron, Valdair Francisco Muglia and Martin Eduardo Poletti
17:40	Analysis of Radiation Doses in Conventional Pediatric Radiographs: Correlation between Clinical Justification, Repetitions, and Exposure	Paula Vosiak, Hugo Schelin, Akemi Yagui, Rosiane Mello, Priscila Resmer, Sergei Paschuk, Adriano Legnani and Viviane Asfora
18:00	From Transfusion Units to Radiotherapy: Characterizing Membrane Damage and Pore Formation in Irradiated Red Blood Cells via SEM	Maria Candela Della Rosa, Vanina Tartalini, Analia Ines Alet, Sabrina Porini, Guillermo Moschini, Ariel Aresi, Liliana Di Tullio, Nestor Manzelli, Andrea Acosta, Martina <sup>a</sup> Avalos and Mariel Elisa Galassi
18:20	DOSIMETRIC CHARACTERIZATION OF AN ALPHA SOURCE FOR CELLULAR IRRADIATIONS	Maria Candela Della Rosa, Violette Guittet, Gustave Garde, Yannick Zoccarato, Mariel Elisa Galassi, Michael Beuve and Etienne Testa
18:40	<b>Closing</b>	

19:00