

**XIII School on Synchrotron Radiation:
Fundamentals, Methods and Applications**
Grado, Italy / 14-25 September 2015



Elettra Sincrotrone Trieste

Monday September the 14th

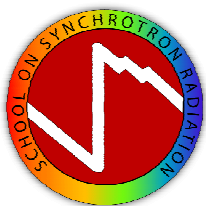
9.00 – 9.30	9.30 – 11.00	11.00 – 11.30	11.30 – 13.00	13.00 – 15.00	15.00 – 16.00	16.00 – 16.30	16.30 – 18.00
F. Boscherini A. Franciosi A. Goldoni S. Mobilio: <i>Opening Session</i>	A. Balerna: <i>Introduction to Synchrotron Radiation</i>	Coffee Break	A. Goldoni: <i>Characteristics and properties of Synchrotron Radiation</i>	Lunch time	A. Goldoni: <i>Characteristics and properties of Synchrotron Radiation</i>	Coffee Break	M. Zangrando: <i>Instrumentation at synchrotron radiation beamlines</i>

Tuesday September the 15th

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 15.30	15.30 – 16.30	16.30 -17.00	17.00 – 18.30
S. Mobilio: <i>Introduction to the interaction between matter and radiation</i>	Coffee Break	C.M. Bertoni: <i>Quantum description of the matter-radiation interaction</i>	Lunch time	C.M. Bertoni: <i>Quantum description of the matter-radiation interaction</i>	S. Mobilio: <i>Introduction to the interaction between matter and radiation II</i>	Coffee break	P. Fornasini: <i>X-ray Absorption Spectroscopy</i>

Wednesday September the 16th

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.00	16.00 – 16.30	16.30 – 18.30
P. Fornasini: <i>X-ray Absorption Spectroscopy</i>	Coffee Break	G. Stefani: <i>Photoelectron spectroscopy: fundamentals</i>	Lunch time	G. Stefani: <i>Photoelectron spectroscopy: fundamentals</i>	Coffee Break	S. Lupi: <i>Infrared synchrotron radiation: from the production to the scientific applications</i>



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Thursday September the 17th

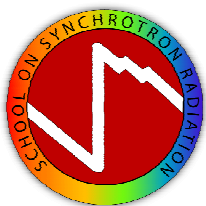
9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.00	16.00 – 16.30	16.30 – 18.00
A. Baraldi: <i>High resolution and time resolved core level photoelectron spectroscopy</i>	Coffee Break	M. Benfatto: <i>XANES Spectroscopy - I</i>	Lunch time	C. Meneghini: <i>XANES Spectroscopy - II</i>	Coffee Break	C. Meneghini: <i>Data analysis session</i>

Friday September the 18th

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.30	16.30 – 17.00	17.00 – 18.30
G. Aquilanti <i>Studies of matter at extreme conditions</i>	Coffee Break	F. Boscherini: <i>Applications of XAFS to nanostructures and materials science</i>	Lunch time	J.Y. Buffiere : <i>X-ray imaging techniques</i>	Coffee Break	D. Eichert: <i>X-ray microscopy</i>

Saturday September the 19th

8.30 – 10.00	10.00 – 11.30	11.30 – 12.00	12.00 - 13.30
G. Zanotti: <i>X-ray Diffraction</i>	G. Zanotti: <i>X-ray Diffraction</i>	Coffee Break	P. Scardi <i>Diffraction from nanocrystalline materials</i>



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Monday September the 21th

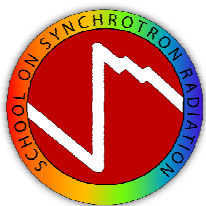
9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.00	16.00 – 16.30	16.30 – 18.30
J.R. Plaisier <i>Powder Diffraction & Synchrotron Radiation</i>	Coffee break	G. Monaco <i>High resolution inelastic x-ray scattering</i>	Lunch time	C. Lamberti: <i>Catalytic studies “in operando”</i>	Coffee Break	M. Nardini <i>Synchrotron Radiation and Biocrystallography</i>

Tuesday September the 22th

8.30 – 10.00	10.00 – 10.30	10.30 – 12.30	12.30 – 13.00	13.00 – 14.30	14.30 – 16.00	16.00 – 16.30	16.30 – 18.00
G. Ghiringhelli <i>Resonant Inelastic X-ray Scattering</i>	Coffee Break	G. Rossi <i>Spin resolved photoemission & Linear and circular x-ray dichorism</i>	G. Paolucci <i>Science for peace</i>	Lunch time	L. Paolasini <i>Resonant and magnetic x-ray diffraction</i>	Coffee break	H. Amenitch <i>Small angle X- ray scattering</i>

Wednesday September the 23th

9.00 – 19.00
Practical & Data Analysis at ELETTRA



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Thursday September the 24th

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.00	16.00 – 16.30	16.30 – 18.00	18.00 – 19.30
S. Quartieri: <i>Synchrotron radiation in the earth sciences</i>	Coffee Break	P. Lattanzi: <i>Synchrotron Radiation in the environmental Science</i>	Lunch time	S. Quartieri: <i>Synchrotron radiation in art, archeology and cultural heritage science</i>	Coffee break	G. Tromba <i>Medical Imaging with synchrotron radiation</i>	A. Locatelli: <i>Photoemission electron microscopy for chemical and magnetic imaging</i>

Friday September the 25th

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.30 – 16.30	16.30
A. Martorana: <i>Synchrotron Radiation and Chemistry</i>	Coffee Break	M. Ferrario <i>Advanced Radiation Sources based on plasma accelerators</i>	Lunch time	M. Kiskinova <i>New high flux and coherent photon sources and their multi-disciplinary applications</i>	A. Goldoni S. Mobilio: <i>Concluding remarks</i>

Practical and Data Analysis sessions at ELETTRA are foreseen for Wednesday 23th: Students will be divided into two groups; in the morning one group will attend a practical session on beam-lines, the other one will attend a data analysis session. In the afternoon the two groups will exchange sessions.