



Monday September the 19th

9.00 – 9.30 Opening session

- Cinzia Giannini SILS President, Istituto di Cristallografia CNR
- Alfonso Franciosi President and CEO, Elettra Sincrotrone Trieste S.C.p.A.
- Giorgio Paolucci School Director, Elettra Sincrotrone Trieste S.C.p.A.
- Settimio Mobilio School Director, Department of Science University Roma Tre

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
A. Balerna Introduction to synchrotron radiation	Coffee Break	G. Margaritondo Characteristics and properties of synchrotron radiation	Lunch time	G. Margaritondo Characteristics and properties of synchrotron radiation	Coffee Break	G. Paolucci Synchrotron radiation facilities

Tuesday September the 20th

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9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 17.30	17.30 - 18.30
S. Mobilio Interaction between matter and radiation	Coffee Break	A.Di Cicco X-ray absorption and fluorescence spectroscopy	Lunch time	A.Di Cicco X-ray spectroscopy and data-analysis	M. Benfatto Applications of multiple scattering application to X- ray absorption spectroscopy	Coffee break	C. Meneghini XANES spectroscopy





Wednesday September the 21th

9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 18.00
G. Stefani		G. Stefani		I. Carlomagno
Photoelectron spectroscopy	Coffee Break	Photoelectron spectroscopy	Lunch time	Analysis of X-ray absorption spectroscopy
				data

Thursday September the 22th

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9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	14.30 - 16.00	16.00 - 16.30	16.30 - 18.00
G. Zanotti X-ray diffraction	Coffee Break	G. Zanotti X-ray diffraction	Lunch time	J.R. Plaisier Powder Diffraction with Synchrotron Radiation	Coffee Break	H. W. Amenitsch Small angles X-ray scattering

Friday September the 23th

9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 18.00
A.Baraldi High resolution and time resolved core level photoelectron spectroscopy	Coffee Break	A.Perucchi e L. Vaccari Infrared spectroscopies with synchrotron radiation and free electron lasers	Lunch time	M. Merlini Analysis of diffraction data

Saturday	September the	24th

9.00 - 12.00

L. Bignardi Analysis of photoelectron spectroscopy data





Monday September the 26th

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9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 16.30	16.30 - 17.00	17.00 - 18.30
L. Mino Watching nanomaterials with X-ray eyes: from nanoparticles to real devices	Coffee Break	A.Chaves Structural biology: Biocrystallography and an appetizer for cryo-EM and FEL		S. Pascarelli Overview of research activities with FEL in the hard X-ray	Coffee Break	A.Moliterni Combining synchrotron radiation and Crystallography to decrypt the structure of materials impacting Energy, Environment and Health

Tuesda	y September the	e 27th

9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 16.30	16.30 - 17.00	17.00 - 18.30
L. Monico Synchrotron radiation- based X-ray techniques & cultural heritage objects: an integrated multi- material, multi-technique and multi-scale approach to study their composition and evolution		A.Gianoncelli X-ray imaging	Lunch time	A.Gianoncelli X-ray imaging	Coffee break	P. Wernet Seeing chemical interactions and dynamics with time-resolved x-ray spectroscopy





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9.00 - 10.30	10.30 - 11.00	11.00 - 13.00	13.00 - 15.00	15.00 - 16.30	16.30 - 17.00	17.00 - 18.30
M. Stampanoni Advanced X-ray imaging: from complex applications at synchrotron sources to early detection of breast cancer in hospitals	Coffee Break	O. Bunk X-ray Imaging in scanning mode	Lunch time	G. Aquilanti Extreme conditions studies at synchrotrons	Coffee break	P. Torelli X ray photoemission spectroscopy new applications: HAXPES and NAP- XPS.

Wednesday September the 28th

Thurday September the 29th

9.00 - 19.00

Visit and Practical at ELETTRA and FERMI facilities

Friday September the 30 th							
9.00 - 10.30 10.30 - 11.00 11.00 - 12.30 12.30 - 13.00							
C.Masciovecchio		G. Tromba	Concluding				
Overview of research activities	Coffee Break	Medical Imaging with	remarks				
with FEL in soft X-ray		synchrotron radiation	remarks				