

XVIII School on Synchrotron Radiation
"Gilberto Vlaic":
Fundamentals, Methods and Applications
Muggia (Trieste), Italy
21 September – 1 October September 2026



Società
Italiana
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Elettra Sincrotrone Trieste

PROGRAM

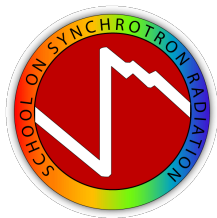
Monday September the 21th

9.00 – 9.30: Opening session

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 <i>Introduction to synchrotron radiation</i>	Coffee Break	G. Margaritondo <i>Characteristics and properties of synchrotron radiation</i>	Lunch time	G. Margaritondo <i>Characteristics and properties of synchrotron radiation</i>	Coffee Break	S. Pascarelli <i>X-ray Free Electron Lasers</i>
19.00 – 21.00 Welcome party						

Tuesday September the 22th

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
F. Boscherini <i>Interaction between matter and radiation</i>	Coffee Break	S. Pascarelli <i>Introduction to X-ray methods</i>	Lunch time	G. Paolucci <i>Synchrotron radiation facilities</i>	Coffee break	S. Pascarelli <i>Fundamentals of X-ray absorption spectroscopy</i>



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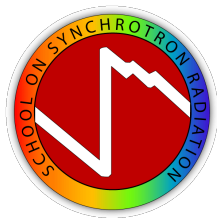
Wednesday September the 23th

9.00 – 11.00	11.00 – 11.30	11.30 – 13.00	13.00 - 15.00	15.00 – 16.30	16.30 – 17.00	17.00 -18.30
A. Di Cicco <i>X-ray absorption spectroscopy: experimental aspect and data analysis</i>	Break	M. Benfatto C. Meneghini <i>XANES spectroscopy</i>	Lunch time	P. Macchi <i>X-ray diffraction</i>	Break	P. Macchi <i>X-ray diffraction</i>

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
A. Perucchi L. Vaccari <i>Infrared spectroscopies with synchrotron radiation and free electron lasers</i>	Coffee Break	J.R. Plaisier <i>Powder Diffraction with Synchrotron Radiation</i>	Lunch time	Oral presentation by participants	Coffee Break	Oral presentation by participants

19.00 – 21.00
Poster session & pizza party



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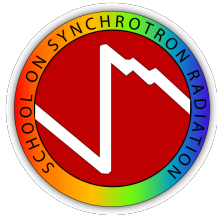
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Friday September the 25th

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
C. Mariani <i>Photoelectron spectroscopy</i>	Coffee Break	C. Mariani <i>Photoelectron spectroscopy</i>	Lunch time	A. Baraldi <i>High resolution and time resolved core level photoelectron spectroscopy</i>	Coffee break	I. Vobornik <i>Angular and spin resolved photoemission</i>

Saturday September the 26th

9.00 – 12.30	12.30 – 14.30	14.30 – 18.00
M. Merlini <i>Analysis of diffraction data</i>	Lunch time	I. Carlomagno <i>Analysis of X-ray absorption and fluorescence spectroscopy data</i>



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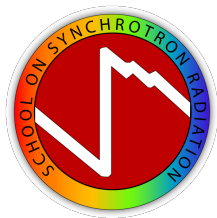
Monday September the 28th

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
C. Masciovecchio <i>Research activities with free electron laser</i>	Coffee Break	A. Gianoncelli <i>Introduction to X-ray imaging</i>	Lunch time	P. Thibault <i>Advanced imaging methodologies (coherent diffraction imaging and X-ray tomography)</i>	Coffee break	L. Giannessi <i>New Perspectives in Free-Electron Laser Light Sources</i>	H. Amenitsch <i>Small angle X- ray scattering</i>

19.30 – 21.30
Poster session & pizza party

Tuesday September the 29th

9.00 – 18.00
Visit and Practical at FERMI facility



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Wednesday September the 30th

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. Gianoncelli <i>X-ray microscopy</i>	Coffee Break	F. Offi <i>Condensed matter studies with polarized X-ray</i>	Lunch time	A. Chaves <i>Structural biology: Biocrystallography and an appetizer for cryo-EM</i>	Coffee break	G. Tromba <i>Biomedical imaging with synchrotron radiation</i>

Thursday October the 1st

9.00 – 10.30	10.30 – 11.00	11.00 – 12.30	12.30 – 14.30	14.3 – 16.00	16.00 – 16.30	16.30 – 18.00
P. Wernet <i>Seeing chemical interactions and dynamics with time-resolved x-ray spectroscopy</i>	Coffee Break	M. Moretti <i>Inelastic X-ray scattering</i>	Lunch time	C. Giannini <i>Synchrotron radiation and material science</i>	Coffee Break	G. Robertson <i>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</i>

18.00 – 21.00

Concluding remarks and farewell party