



Pavia, 2-4 February
Collegio Cairoli - Aula Magna

School Programme

Monday 2nd February

8:15 *Registration*
8:45 *Opening Ceremony*

Morning session: Lectures

9:00	Introduction to vibrational spectroscopy	M. Tommasini
10:00	Terahertz, Infrared and Raman spectroscopies: a powerful combination to study phase transitions in ferroic materials	E. Buixaderas
11:00-11:30	<i>Coffee Break</i>	
11:30	Time Resolved Infrared Spectroscopy: monitoring molecular reactions and transformations	A. Lapini
12:30-14:00	<i>Lunch</i>	

Afternoon session

14.30-17:00 Technical and experimental sessions

Tuesday 3rd, February

Morning session: Lectures

9:00	Simulation of materials from first-principles: successes, challenges and application to vibrational spectroscopies	N. Marzari
10:00	Vibrational Spectroscopy on the Nanoscale	R. Zenobi
11:00-11:30	<i>Coffee Break</i>	



11:30 Preprocessing and analysis of hyperspectral maps: playing with RamApp R. Vanna

12:30-14:00 *Lunch*

Afternoon session

14:30-17:00 Technical and experimental sessions

Wednesday 4th, February

Morning session: Lectures

9:00 Light scattering: an historical perspective L. Fregonese

10:00 Raman, SERS and other “vibrant” approaches to environmental sensing I. Alessandri

11:00-11:30 *Coffee Break*

11:30 Deep Raman methods for Cultural Heritage C. Conti

12:30 *Closing Ceremony*