SCINT 2024

SUMMER SCHOOL

Milan - July 6th-7th, 2024

SCIENTIFIC PROGRAMME

LOCATION:
University of Milano - Bicocca, Bicocca, Building U6, Viale Piero e Alberto Pirelli 22, Milan, Italy
Graduation Room; 2nd Floor - Department of Law

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ABOUT THE SUMMER SCHOOL

The primary goal of this school is to provide PhD students and young researchers with an advanced understanding of the principles and applications of scintillators. The program covers fundamental scintillation as well as advanced concepts.

At the end of each day, social events will be organized to promote social interaction and the inclusion of young researchers in our scientific community.

During the School, the participants will have the opportunity to present a poster and a short oral presentation of their research work.

Scan to access **SCINT2024** website

The school is supported by the SPARTE project.
Additional contribution is provided by the UNICORN and TWISMA projects.

DAY 1
Saturday July 6th

Time	Schedule	Lecturer
9:00 - 9:50	Scintillation physical processes in bulk materials and nanocrystals/nanocomposites	Christophe Dujardin
9:50 - 10:40	Key scintillator parameters and their estimation	Kristof Pawels
10:40 - 11:00	*Coffee Break*	
11:00 - 11:50	Luminescence and energy transfer processes	Angelo Monguzzi
11:50 - 12:40	Role of Defects in scintillation	Francesca Cova
12:40 - 13:30	Thermally Stimulated Luminescence for defects investigation	Mauro Fasoli
13:30 - 14:30	*Lunch*	
14:30 - 15:20	Students presentations	
15:20 - 16:10	Electron Paramagnetic Resonance characterization of defects in scintillators	Maksym Buryi
16:10 - 16:30	*Coffee Break*	
16:30 - 17:20	Technologies of crystal growth from melt	Oleg Sidletskiy
17:20 - 18:10	Nanocrystals synthesis and their embedding in polymeric matrices	Sergio Brovelli
18:10 - ...	*Social Event*	

DAY 2
Sunday July 7th

Time	Schedule	Lecturer
9:00 - 9:50	Energy resolution and non-proportionality of scintillators	Agnieska Syntfeld-Każuch
9:50 - 10:40	Metamaterials approach for scintillation applications	Gregory Bizarri
10:40 - 11:00	*Coffee Break*	
11:00 - 11:50	Computational Montecarlo simulations	Marco Pizzichemi
11:50 - 12:40	Scintillators for High Energy Physics and medical imaging	Etiennette Auffray Hillemanns
12:40 - 13:30	Scintillators in Nanomedicine	Anne-Laure Bulin
13:30 - 14:30	*Lunch*	
14:30 - 15:20	Students presentations	
15:20 - 16:10	Scintillators in industrial applications	Paul Schotanus
16:10 - 16:30	*Coffee Break*	
16:30 - 17:20	Frontiers in scintillators research	Martin Nikl
17:20 - 18:10	Writing an European project	Patricia Odet
18:10 - ...	*Social Event*	