

CARISMA III – 3rd Summer School of C²TN 5-7 September 2022

PROGRAMME

	5 September	6 September	7 September
09:15 – 09:30	Opening Session		
First Session 9:30 – 11:00	5.9-I 5.9-II	6.9-I 6.9-II 6.9-III	7.9-I 7.9-II 7.9-III
11:00 – 11:30	Break	Break	Break
Second Session 11:30 – 13:00	5.9-III 5.9-IV 5.9-V	6.9-IV 6.9-V	7.9-IV 7.9-V 7.9-VI
13:00 – 14:30	Lunch	Lunch	Lunch
14:30 – 15:30	Lab sessions	Lab sessions	Lab session
15:45 – 16:45			Closing Session

Lectures Topics:

5 September

- 5.9- I: How science really works? (Dulce Belo, duration 45')
- 5.9-II: Once upon a time... A quartz grain life (Ana Luisa Rodrigues, duration 30')
- 5.9-III: What do Cultural Heritage pieces hide? (Victoria Berdasco, duration 30')
- 5.9-IV: Ionizing radiation technologies for a sustainable environment (Joana Madureira, duration 30')
- 5.9-V: Radiation for Material, Environmental and Health Sciences Research at IRIS (Pedro Santos, duration 30')

6 September

- 6.9- I: Orphan Sources Risks and Contaminated Goods (Isabel Paiva, duration 30')
- 6.9-II: Drones being FRIENDS in radioactive scenarios (José Corisco, duration 30')
- 6.9-III: Assessment of Human Exposure to Air Pollution to Change the Way People Move in Cities (Marta Almeida, duration 30')
- 6.9-IV: From structure and dynamics to new therapeutic approaches: a computational strategy (Rita Paiva Melo, duration 30')
- 6.9-V: Radiation for health...what?! (Alice D'Onofrio & Rúben Diogo Silva, duration 60')

7 September

7.9- I: Thermoelectricity, a new pathway towards sustainability: from materials to devices
(Beatriz Santos & Rodrigo Coelho, duration 40')

7.9-II: An advanced method to produce micro/nano polymer fibers (Cristiana Rodrigues,
duration 20')

7.9-III: Single Component Molecular Conductors for Molecular Electronics (Dulce Belo, duration 30')

7.9-IV: Non Covalent Interactions on Functional Molecular Materials (Sandra Rabaça, duration 30')

7.9-V: SIMPLE dark matter searches (Miguel Felizardo, duration 30')

7.9-VI: A vision from the sea: Provenance studies applied to Roman lead artefacts (Susana Gomes,
duration 30')

Laboratory Sessions:

(duration – 1.0h each session)

Session 1: Gamma Spectrometry laboratories (Mário Reis & Marta Santos)

Session 2: X-ray fluorescence spectrometry in the study of ancient metallic artefacts (Pedro Valério)

Session 3: SIMPLE and Air Quality applications (Miguel Felizardo & Nuno Canha & Sergio Hoyos)

Session 4: Insight the Solid State Group (António Gonçalves & Sandra Rabaça)

Session 5: In Silico End-to-End Protein–Ligand Interaction Characterization Pipeline: The Case of SARS-CoV-2 (Rita Paiva Melo & Susana Cruz)