



Summer School on Low Dimensional Systems

Electron microscopy and electronic transport - Toulouse, France

June, 17-21, 2019

1st edition

<https://lowdimschoolt1s.sciencesconf.org>

Objectives:

Nowadays, the fast acquisition of skills and know-how is essential. To start a project, answer questions, or consider new experiments, it is necessary to know how to prepare samples, do measurements, and understand results.

The purpose of this school is to provide theoretical and practical knowledge in the field of low dimensionality materials focusing on two techniques, transmission electron microscopy and electronic transport.

The 3 afternoons dedicated to practical work will allow exploring the "how we do".

A similar school based on optical methods will be held in Montpellier the following week (June, 24-28th, 2019).

For who?

Students at Master level (second year) or beginning a PhD as well as any scientist starting a new activity are welcome to this school. The level is intermediate (i.e., not advanced), although some notions of quantum mechanics and diffraction will be explored.

	Monday 17 th June	Tuesday 18 th June	Wednesday 19 th June	Thursday 20 th June	Friday 21 th June
8:45-10:15		TEM (materials)	TEM (spectroscopies)	TEM (advance&practical)	Hot topic/Trends
10:15-10:45		Break	Break	Break	Practical work debriefing
10:30-12:15	ARRIVAL	Transport (measurements)	Transport (practical)	Transport (theory)	Practical work debriefing
12:15-13:45		LUNCH	LUNCH	LUNCH	LUNCH
13:45-13:55	Opening				
14:00-15:00	Materials (introduction)	Practical work	Practical work	Practical work	END
15:15-16:15	TEM (introduction)				
16:15-16:45	Break				
16:45-17:45	Electronic transport (introduction)				
18-18:20	Toulouse city : discovery				
19	ICE-BREAKING				

Choice of 3 practical works over 6 available (2 data treatment, 2 TEM, 2 transport)

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Fees:

Student (M2, PhD), post-doctorate: 290€ HT (348€ TTC) – Other: 380€ HT (456€ TTC)

Student rooms available at affordable price: for Toulouse: 110€ TTC

Inscriptions:

Opening 18th February – For questions, send an email to: pascal.puech@cemes.fr