Program

First week

Monday 17	Tuesday 18	Wednesday 19	Thursday 20	Friday 21	Saturday 22
	7h45-8h45 - **Breakfast**				
ARRIVAL	8:45h-9:15h **Welcome** 9:15h-10h15 **H. J. Maris** (part 1)	8h45-10h15 **H. J. Maris** (part 2)	8h45-10h15 **B. Perrin** (part 2)	8h45-10h15 **H. J. Maris** (part 3)	8 :45h-10h15 **Shakouri** (part 2)
	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
	10 :45h-12h15 **B. Perrin** (part 1)	10 :45h-12h15 **Short talks** (part 1)	10 :45h-12h15 **A. Shakouri** (part 1)	10 :45h-12h15 **Short talks** (part 2)	10 :45h-12h15 **B.Djafari-Rouhani** (part 1)
	12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch
	14h-17h Free time	14h-17h Free time	14h-17h Free time	14h-17h Free time	
	17h-19h **T. Kent**	17h-19h **Posters** (part 1)	17h-19h **T. Dekorsy** (part 1)	17h-19h **Posters** (part 2)	
	19h30 - **Dinner**				

Sunday 23 : free (breakfast, lunch, and dinner available)

Second week

Monday 24	Tuesday 25	Wednesday 26	Thursday 27	Friday 28	Saturday 29
7h45-8h45 - **Breakfast**					
8h45-10h15 **A. Fainstein** **(part 1)**	8h45-10h15 **A. Sherbakov** **(part 1)**	8h45-10h15 **E. Weig** **(part 1)**	8h45-10h15 **A. Sherbakov** **(part 2)**	8h45-10h45 **C. K. Sun**	
Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	
10 :45h-12h15 **B.Djafari-Rouhani** **(part 2)**	10h45-12h15 **A. Fainstein** **(part 2)**	10h45-12h15 **E. Cerda-Mendez**	10h45-12h15 **E. Weig** **(part 2)**	11h45-12h15 **Closing session**	
12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch	12h30-14h Lunch	
14h-17h Free time	14h-17h Free time	14h-17h Free time	14h-17h Free time	**DEPARTURE**	
17h-19h **N. del Fatti**	17h-19h **C.M. Sotomayor Torres**	17h-19h **S. Berciaud**	17h-19h **S. Sauvage**		
19h30 - **Dinner**					

Son et Lumiére

Scientific Program

- Overview
  - H. J. Maris: *Fundamental of phonons*
- Theoretical aspects
  - B. Djafari-Rouhani: *Phononic and photonic nanostructures: theoretical methods*
- Experimental aspects
  - B. Perrin: *Optical probing of nanostructures*
- Phonon interactions
  - A. Shakouri: *Thermal properties of nanostructures*
  - S. Berciaud: *Understandings of Raman spectra of graphene and carbon nanotubes*
  - S. Sauvage: *Nanospectroscopy of quantum dots: heating nanosources of phonons*
  - A. Sherbakov: *High frequency magneto-acoustics*
- Dimensional/size effects
  - N. del Fatti: *Size effects of acoustic phonons in nanoobjects*
  - Sotomayor-Torres: *Engineering of confined acoustic phonons dispersion relations in ultra-thin Si membranes and phononic structures*
  - A. Fainstein: *Phononic and photonic microcavities*
  - C. K. Sun: *Phonon nanoscopy*
- Phonon-related applications
  - T. Kent: *Interactions of coherent phonons with vertical transport electron devices*
  - T. Dekorsy: *Phonons in quantum cascade lasers*
  - E. Cerda-Mendez: *Acousto-optics nanodevices*
  - E. Weig: *Opto-mechanical resonators*

List of Lectures

- H. J. Maris: *Fundamental of phonons*
- B. Perrin: *Optical probing of nanostructures*
- A. Kent: *Interactions of coherent phonons with vertical transport electron devices*
- A. Shakouri: *Thermal properties of nanostructures*
- T. Dekorsy: *Phonons in quantum cascade lasers*
- B. Djafari-Rouhani: *Phononic and photonic nanostructures: theoretical methods*
- A. Fainstein: *Phononic and photonic microcavities*
- N. del Fatti: *Size effects of acoustic phonons in nanoobjects*
- A. Sherbakov: *High frequency magneto-acoustics*
- C. M. Sotomayor Torres: *Engineering of confined acoustic phonons dispersion relations in ultra-thin Si membranes and phononic structures*
- E. Weig: *Opto-mechanical resonators*
- E. Cerda-Mendez: *Acousto-optics nanodevices*
- S. Berciaud: *Understandings of Raman spectra of graphene and carbon nanotubes*
- S. Sauvage: *Nanospectroscopy of quantum dots: heating nanosources of phonons*
- C. K. Sun: *Phonon nanoscopy*