

SIMDET

3rd school on silicon detectors simulation

LPNHE - Paris

October 29-31, 2018

Scientific committee

BOMBEN Marco LPNHE, Paris
CALDERINI Giovanni LPNHE, Paris
CORNAT Rémi LPNHE, Paris
LAURENT Philippe APC, Paris
LAVERGNE Laurence IRAP, Toulouse
LIMOUSIN Olivier CEA/IRFU, Saclay
LOUNIS Abdennour LAL, Orsay
MARCHIORI Giovanni LPNHE, Paris
MOLL Michael CERN, Genève
ORSINI Fabienne CEA/IRFU, Saclay
TONAZZO Alessandra APC, Paris

Local organising committee

BOMBEN Marco
CALDERINI Giovanni
CORNAT Rémi
CRESCIOLI Francesco
DURIEZ Paule
GUYONVARCH Pascale
MARCHIORI Giovanni
MARQUET Laurence



Brigitte Mangeas - IHEP, October 2018

WELCOME





Program :

29/10/2018 :

introduction to semiconductor detectors

SYNOPSYS

SILVACO

30/10/2018 :

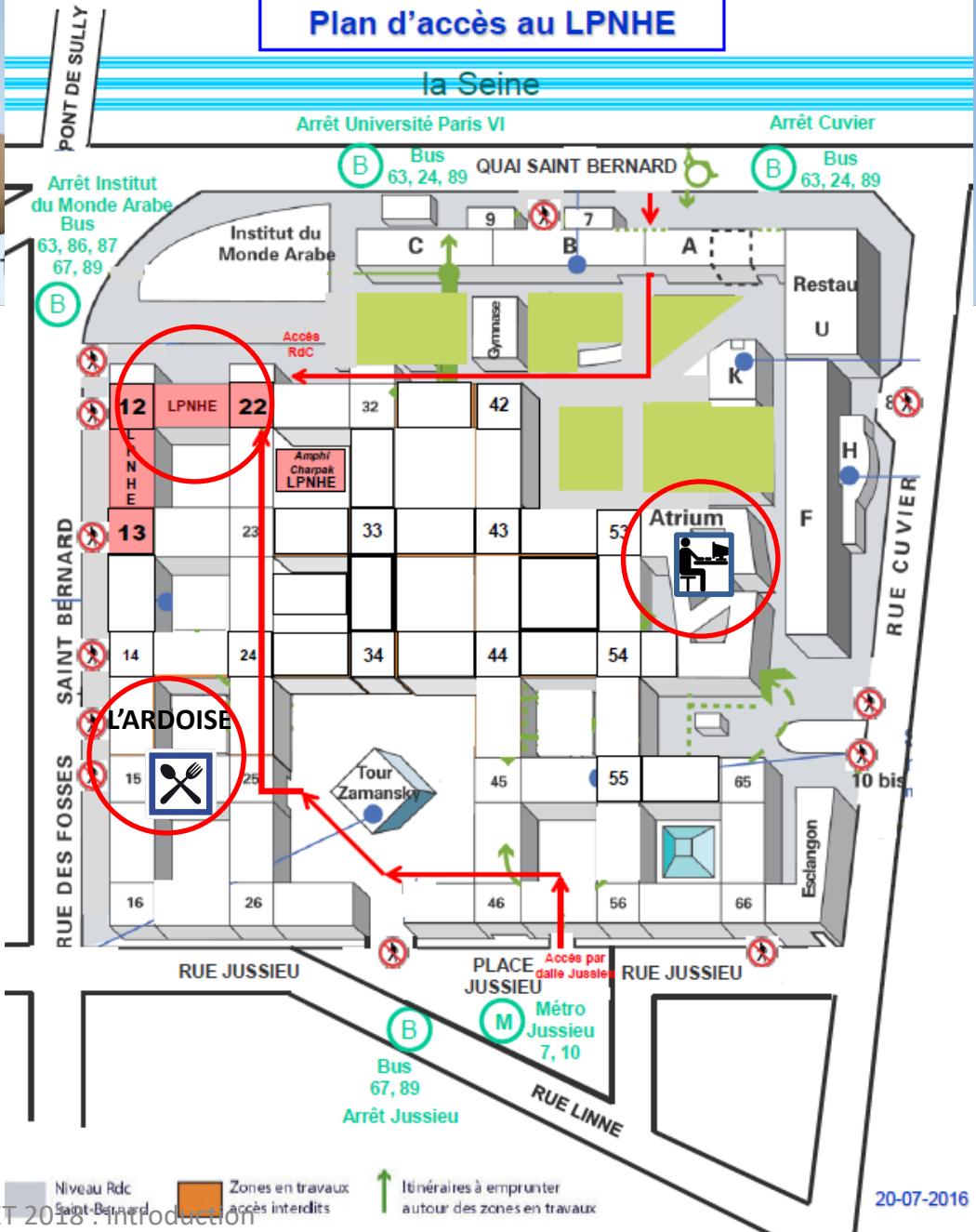
Hands-on session : SILVACO and SYNOPSYS

31/10/2018 :

Foundries and discussion

SIMDET 3rd school on silicon detector

CAMPUS JUSSIEU Plan d'accès au LPNHE



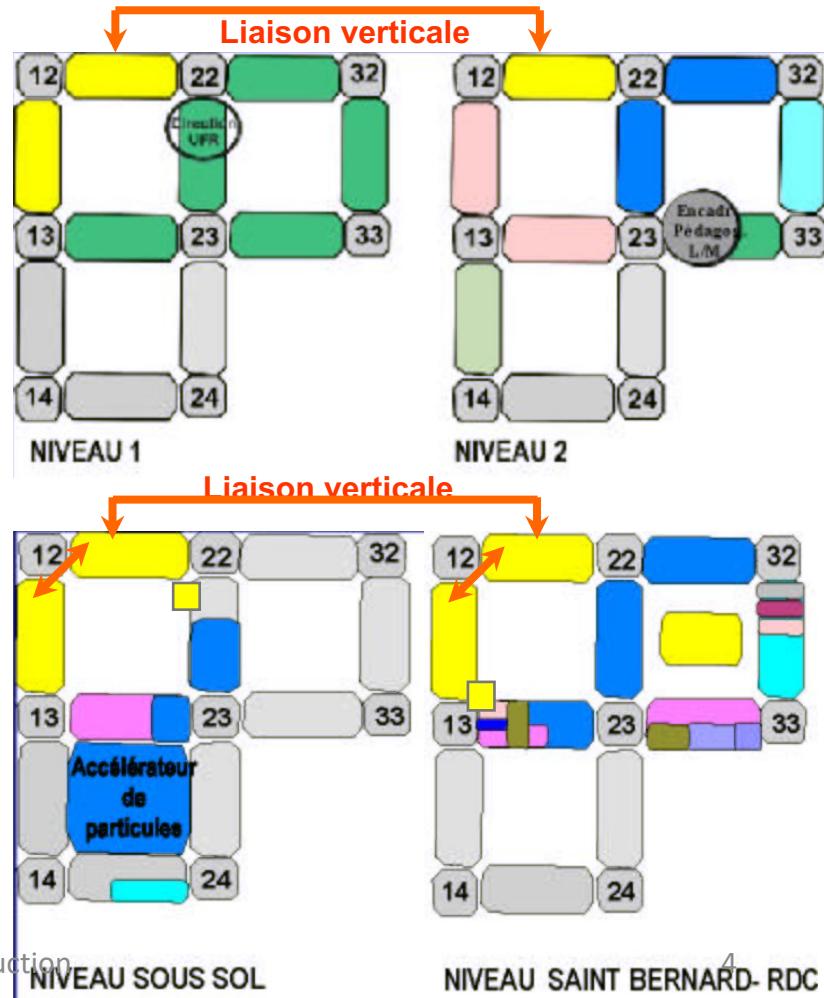
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2018

- LPNHE:



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2018

L'UTES, ATRIUM building

Room 115 (1st floor)

Room 229 (2nd floor)





2018

Accommodation :

Hotel CIS Paris Ravel

6 Avenue Maurice Ravel, 75012

Metro station « Bel Air » (metro line 6)

Meals :

Tuesday and Wednesday lunches (included in the registration) : Brasserie L'ardoise, between tower 25 et tower 26

Dinners not provided



Assessment :

Family Name, First name (optional):

You are (optional): attendee speaker

Lecture	Presentation impact	Level	Speaker skills	Support material	Comments
Introduction to semiconductor detectors	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	
Introduction to SYNOPSYS TCAD suite	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	
Uses of SYNOPSYS in high-energy physics experiments	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	
Introduction to SILVACO TCAD suite	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	
Uses of SILVACO in high-energy physics experiments	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	
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Hands-on session: SYNOPSYS	<input type="checkbox"/> essential <input type="checkbox"/> very highly <input type="checkbox"/> normal <input type="checkbox"/> secondary <input type="checkbox"/> none	<input type="checkbox"/> too high <input type="checkbox"/> high <input type="checkbox"/> adapted <input type="checkbox"/> basic <input type="checkbox"/> too basic	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> low <input type="checkbox"/> inadapted	<input type="checkbox"/> excellent <input type="checkbox"/> good <input type="checkbox"/> satisfactory <input type="checkbox"/> bad <input type="checkbox"/> inadapted	



2018

Hands-on session

- Practical demonstration of the Silvaco and Synopsys software by developers/power users tomorrow, 9h00-12h30 and 14h00-17h30
- at L'UTES, 2 rooms equipped with PCs (1 PC/1-2 students)
- Room 115: morning->Silvaco beginner, afternoon->Silvaco advanced
- Room 229: morning->Synopsys beginner, afternoon->Synopsys advanced 2 students per PC
Coffee breaks in the rooms