

# SIMDEI 2021

4<sup>th</sup> school on silicon detectors simulation

## LPNHE - Paris

November 29, December 1, 2021

### Scientific committee

BOMBEN Marco APC, Paris  
CALDERINI Giovanni LPNHE, Paris  
CORLAT Rémi LPNHE, Paris  
LAURENT Philippe APC, Paris  
LAVERGNE Laurence IRAP, Toulouse  
LIMOUSIN Olivier CEA/IRFU, Saclay  
LOUNIS Abdenour IJCLab, Orsay  
MARCHIORI Giovanni APC, Paris  
MOROZZI Arianna INFN, Perugia  
MOLL Michael CERN, Genève  
ORSINI Fabienne CEA/IRFU, Saclay  
TONAZZO Alessandra APC, Paris

### Local organising committee

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GUYONVARCH Pascale  
LOUNIS Abdenour  
MARCHIORI Giovanni  
MARQUET Laurence



<http://indico.in2p3.fr/e/simdet2020>

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A stylized, golden-brown graphic of a tower or antenna structure, positioned to the right of the main title text.

**Welcome**

<http://indico.in2p3.fr/e/simdet2020>

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It is very nice to start meeting with people again after almost two years! Thanks for attending the school!

COVID is not over and the format of the school cannot be the traditional one

Some of the speakers will talk online, this is particular true for people from UK/US, where logistics is still severe; this will make organisation a little bit more complicated, especially for the hands-on sessions

Hope to be back to the standard format one day...

But we tried to do our best to provide you a nice stay in Paris and a positive experience

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## Program

29/11/2021

Introduction to Semiconductor Detectors

SYNOPSYS

SILVACO

30/11/2021

Hands-on session : SILVACO and SYNOPSYS

1/12/2021

Experiences from foundries and discussion

## Some practical information

Easiest access via tower 12

School in

Salle des Seminaires

Level RC (Rez-De-Chaussée)

Room 1222-RC-08

Coffee breaks

In the LPNHE cafeteria

Level 2 Corridor 12-22

Hands-on Session tomorrow

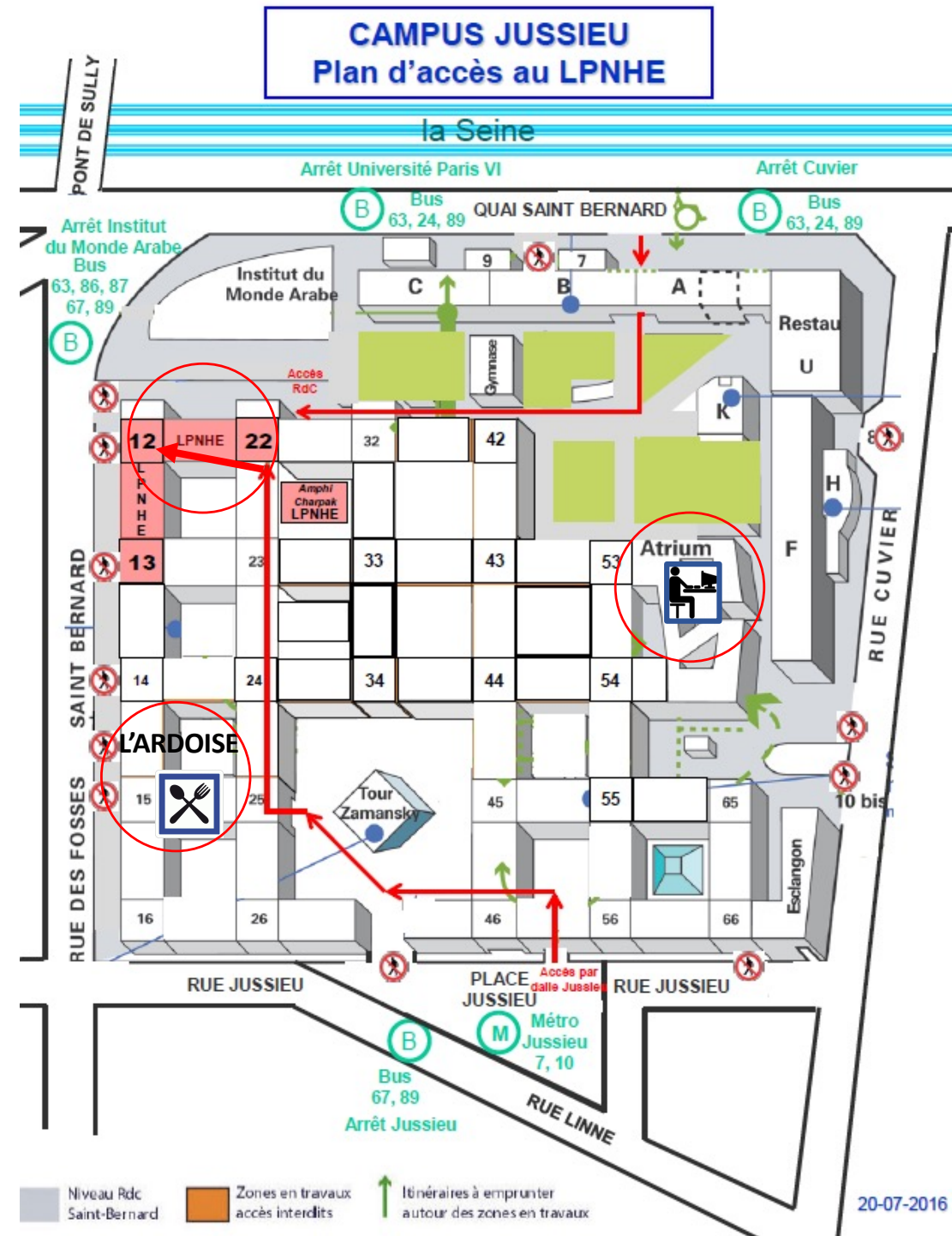
in Atrium

Room 435

Lunches (included) 30/11, 1/12

in L'Ardoise

Still self-service mode



## Accommodation :

(for people choosing this option)

CIS Kellermann

<https://www.hotel-cis-paris-kellermann.com/en>

17, boulevard Kellermann 75013 Paris

Tél. : +33 (0)1 44 16 37 38

Metro station « Porte d'Italie », Line 7

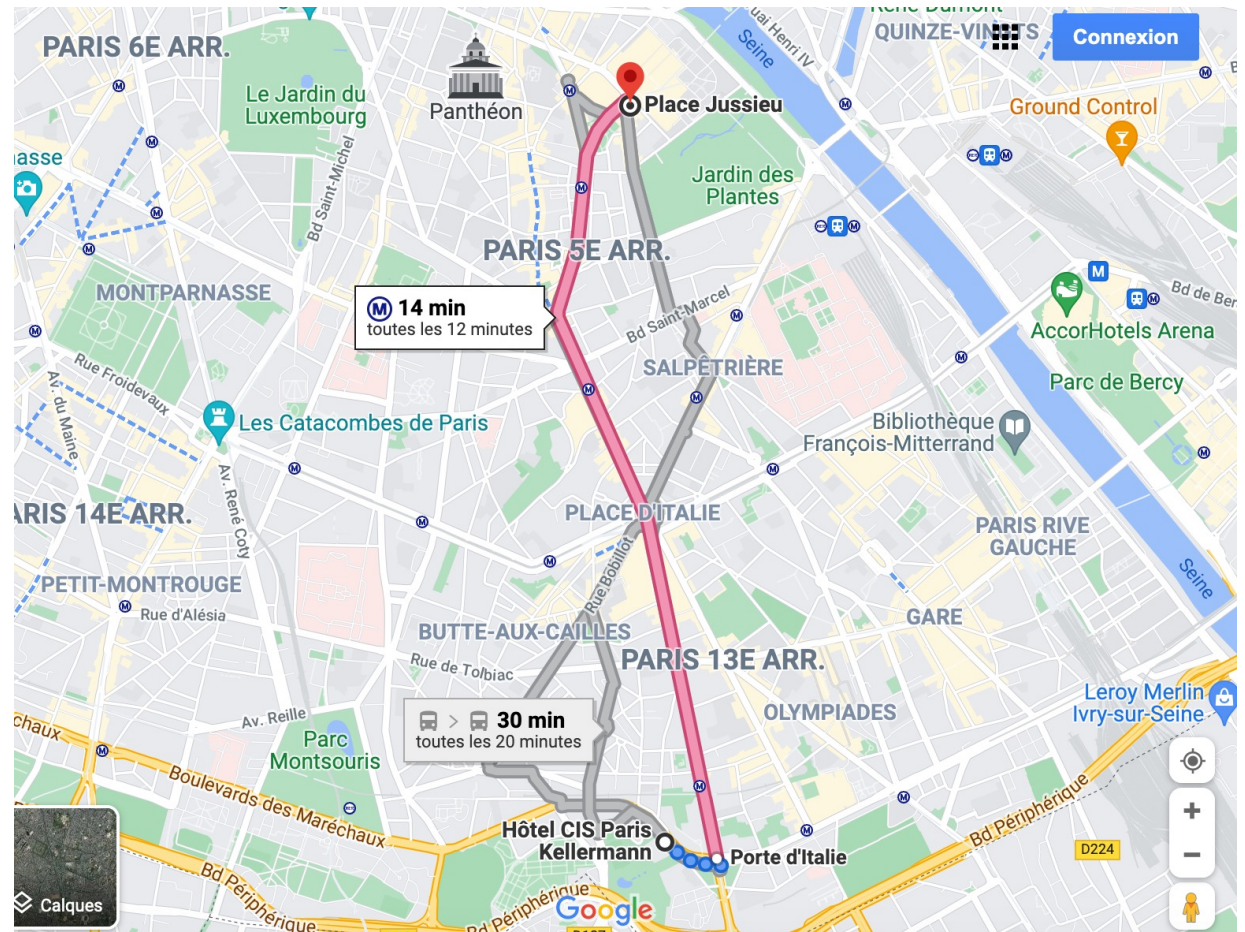
**Dinners included 29/11, 30/11:**

**18:30-20:30**

It is not a “luxury” accommodation but we tried to arrange a place at good conditions for an affordable price for everybody

**It is a structure we use for the first time (last time it was more distant from the School venue)**

**so please give us feedback**



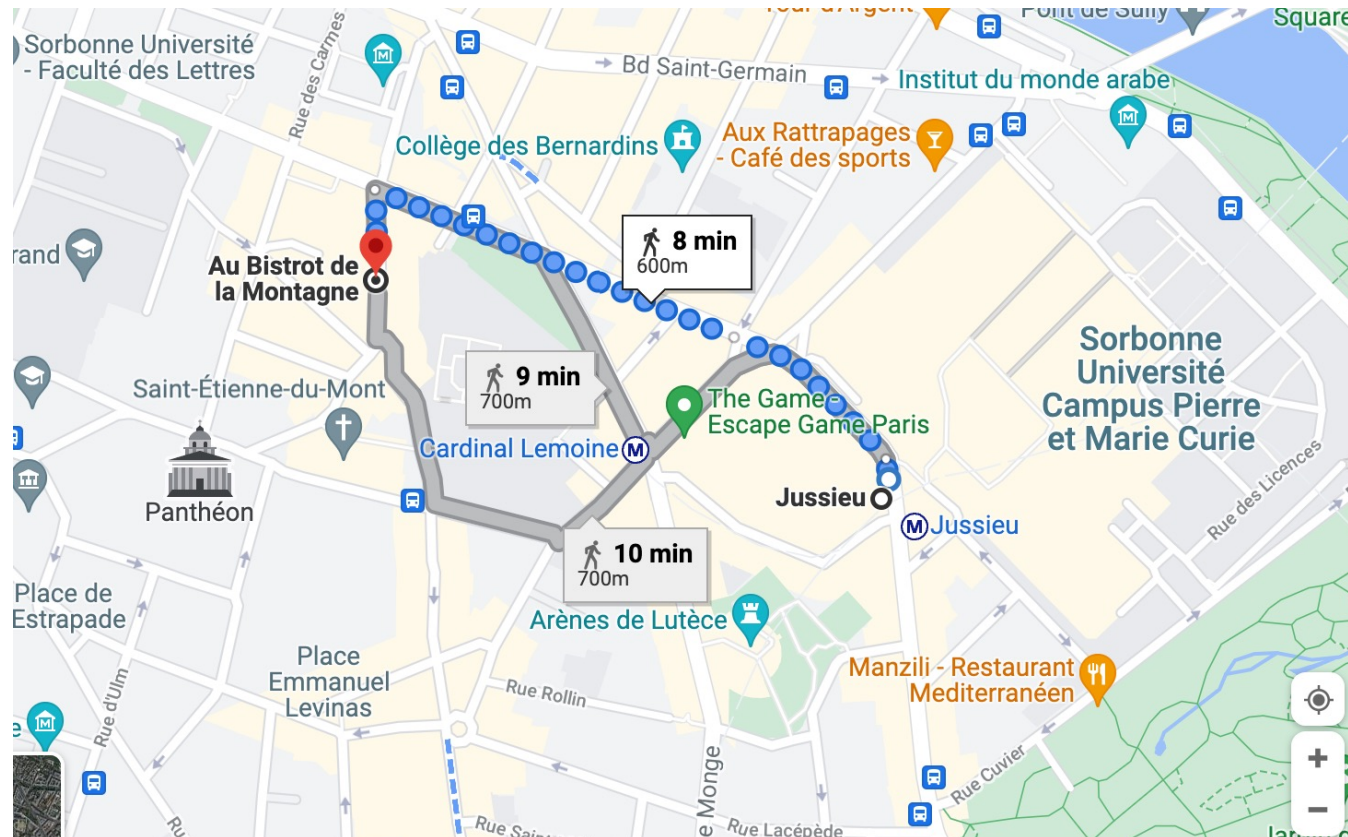
Social dinner (included): 30/11 at 20:00

## Au bistrot de la montagne

38 rue de la montagne Sainte Geneviève

if you are Vegetarian/Vegan, please contact us in advance to choose your menu

Walking distance (10 minutes) from Jussieu



# Feedback form

We will distribute a form to allow you to give us feedback

It is anonymous so you will be more comfortable to express your opinions

This will be very useful to improve next editions of the school in the future

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<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
| Introduction to SYNOPSIS TCAD suite                 | <input type="checkbox"/> essential<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
| Uses of SYNOPSIS in high-energy physics experiments | <input type="checkbox"/> essential<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
| Introduction to SILVACO TCAD suite                  | <input type="checkbox"/> essential<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
| Uses of SILVACO in high-energy physics experiments  | <input type="checkbox"/> essential<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
| Hands-on session: SILVACO                           | <input type="checkbox"/> essential<br><input type="checkbox"/> very highly<br><input type="checkbox"/> normal<br><input type="checkbox"/> secondary<br><input type="checkbox"/> none | <input type="checkbox"/> too high<br><input type="checkbox"/> high<br><input type="checkbox"/> adapted<br><input type="checkbox"/> basic<br><input type="checkbox"/> too basic | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> low<br><input type="checkbox"/> inadapted | <input type="checkbox"/> excellent<br><input type="checkbox"/> good<br><input type="checkbox"/> satisfactory<br><input type="checkbox"/> bad<br><input type="checkbox"/> inadapted |          |
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I hope you will have fun!