

The “Institut Pascal (IPa)”

[a brief presentation]

« Si la recherche ne se planifie pas, elle se nourrit par contre de multiples rencontres.. »

[J.P. Aubin, 20^e anniversary of the Henry Poincaré Institut (IHP)]



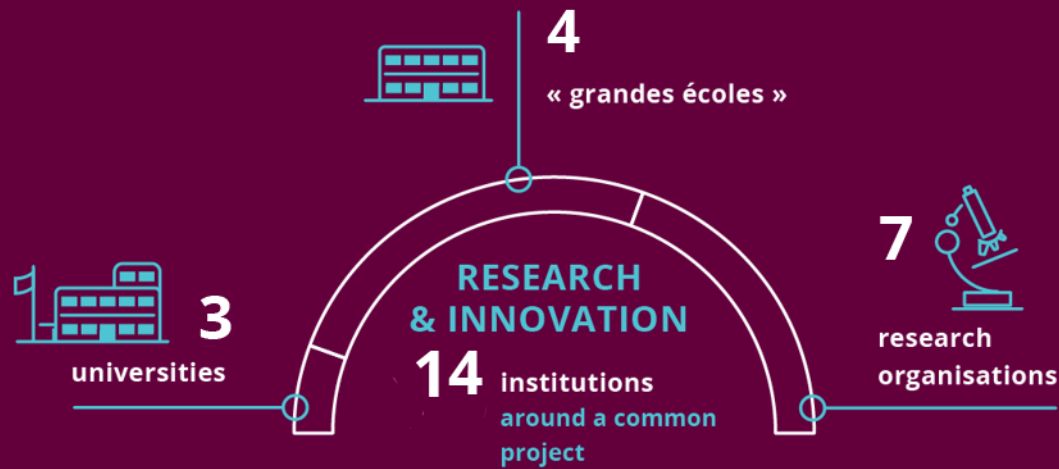
Vue de l'espace de discussion de l'IPA

The Institut Pascal purpose

- The **mission** of the Institut Pascal is to provide a platform making it possible to organize **thematic programs** gathering a scientific community for a **significant duration**, to promote the emergence of new scientific topics and original scientific initiatives.
- The **specificity** of IPa, is to cover a **very wide thematic range**, which includes all of “hard sciences” (and even a little bit of soft sciences).

The “Institut Pascal” : context & timeline

Context : the **Paris-Saclay University**



14 founding members

for

1 Research University



The “Institut Pascal” : context & timeline

Context : the Paris-Saclay University

➔ (3 universities + 4 higher education institutions + 7 research institutions)

- 65 000 students
- 9 000 Master
- 5 500 Ph.D

- 350 laboratories
- 10 000 researchers and professors



The “Institut Pascal” : context & timeline

Timeline :

A long time process (started nine years ago in 2010-2011)

But a very young institution:

- The official birthdate of the IPa is **January 1st 2018** [creation by the CNRS, together with 6 other “tutelles” (UPSud, CEA, INRIA, ENS-PS, CentraleSupélec, IHES)].
- The building hosting the IPa was scheduled for November 2018, but due to “unforeseen delays”, we got the key only in March ...

The Institut Pascal building ...



[Brénac and Gonzales project]

... a very nice, but very new building...

The Institut Pascal « structure » ...

Board



Jacques Bittoun
Paris-Sud
(Life Science)



Denis Ullmo
CNRS
(Physics)



Yves Balkanski
CEA
(Earth and Climat
Sciences)

The IPa Team



Sabrina Soccard
Program manager
CEA



Aurélie Lando
Administrative Director
CoMuE **Paris-Saclay**



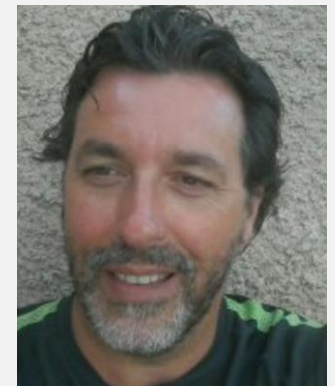
Karolina Kolodziej
Program manager
CNRS



Emmanuelle Vietti
IT and web
développement
UPSud



Rebecca Smirr
Gestion administrative
& communication
CNRS



David Bellande
Accueil
CNRS

Scientific Council

- Alain Aspect
- Jean Braun
- Yves Bréchet
- Irène Buvat
- Catherine Cesarsky
- Odile Eisenstein
- Albert Fert
- Patrick Flandrin
- Jean-François Joanny
- Philippe Lambin

- Anne L'Huillier
- Valérie Masson-Delmotte
- Marc Mézard
- Stéphane Nonnenmacher
- Christine Paulin
- Didier Roux
- Laure Saint Raymond
- Michel Spiro
- André Torre

The IPa Local Committee (CLIP)

DEPARTEMENTS

- Chimie
 - [Gilles Frison](#)
 - [David Lauvergnat](#)
- EOE : Ingénierie Electrique, Optique et Electronique
 - *To be determined*
- Humanité :
 - [Paola Tubaro](#)
- Mathématiques :
 - [Catherine Donati-Martin](#)
 - [Pierre Vanhove](#)
 - [Christophe Giraud](#)
 - [Quentin Mérigot](#)
- MEP : Mécanique Energétique et Procédés
 - [Emmanuel de Langre](#)
- P2I : Physique des deux Infinis
 - [Cynthia Hadjidakis](#)
 - [Fabian Schussler](#)
 - [Franck Sabatié](#)
- PHOM : Physique des Ondes et de la matière :
 - [Philippe Grangier](#)
 - [Grégoire Misguich](#)
 - [Gilles Maynard](#)
 - [Martin Lenz](#)

- SPU : Sciences de la Planète et de l'Univers :
 - [Sophie Szopa](#)
 - [Jérôme Bobin](#)
 - [Elisabeth Gibert-Brunet](#)
 - [Marc Antoine Miville-Deschenes](#)
- SDV : Sciences De la Vie
 - [Florent de Vathaire](#)
 - [Arnaud Le Rouzic](#)
 - [Alexis Peaucelle](#)
 - [Olivier Martin](#)
- STIC : Sciences et Technologies de l'Information et de la Communication
 - [Alain Denise](#)
 - [Cyril Furtlehner](#)
 - [Silviu Niculescu](#)

CAC Paris-Saclay :

- [Bertrand Poumellec](#)
- [Philippe Lesot](#)

BOARD IPa et PSI 2 :

- [Yves Balkanski](#)
- [Jacques Bittoun](#)
- [Olivier Dulieu](#)

CO-HABITANTS BATIMENT PASCAL

- [Emmanuel Trizac](#)
- [Pierre-Philippe Cortet](#)

Thematic programs IPa-2019 completed 1/3



INDICES : Impact of soil erosion on Dust emission, Climate and terrestrial ecosystems

2019 : 27 May- 5 July - 6 weeks – of which one summer school

Organizer: Bertrand Guenet (CNRS/LSCE, Saclay, France)

[More information](#)

[Karolina]



Ecosystem dynamics : stakes, data and models

2019 : 17 June – 12 July 4 weeks – of which one summer school

Organizers : -Stéphane Dupas, Laboratoire Evolution Génomes Comportement et Ecologie, Camille Coron, Laboratoire de Mathématiques d'Orsay), Arnaud Becheler, Laboratoire Evolution Génomes Comportement et Ecologie, Adélaïde Olivier.

[More information](#)

[Stephanie]



Learning to Discover (1st track : Trigger)

15-26 July and 14-21 October 2019 and summer 2020

Organizers : Cécile Germain (professeur informatique UPSud), Isabelle Guyon (professeur UPSud, Chaire Data Science) Balazs Kegl (LAL-IN2P3/CNRS and CDS PI), David Rousseau (LAL-IN2P3/CNRS) and Vava Gligorov (LPNHE-IN2P3/CNRS)

[More information](#)

[Sabrina]

Thematic programs IPa-2019 completed 2/3



Interdisciplinary Research Program on Urban Mobility

16 September - 4 October 2019

Organizers : Dominique Barth (DAVID UVSQ/SIHS CNRS), Jakob Puchinger, (CentraleSupélec/IRT SystemX) and Laurent Willemez (PRINTEMPS UVSQ)

[More information](#)

[Emmanuelle]



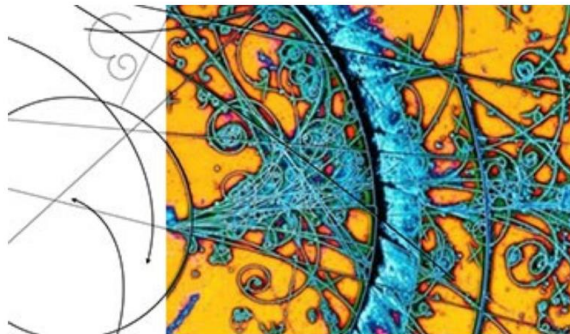
So-Star : The self-organized star formation process - Phase and morphological transitions, multi-scale mass and energy flows in the interstellar medium

16 Sept - 11 Oct 2019 - 4 weeks

Organizers: Isabelle Grenier (AIM, Paris Diderot University), Marc-Antoine Miville-Deschênes (AIM, CNRS) and Enrique Vazquez-Semadeni (UNAM, Mexico)

[More information](#)

[Sabrina]



Learning to Discover : Advanced Pattern Recognition

14 - 25 October 2019

Organizers : Andreas Salzburger (CERN, contact: Andreas.Salzburger@cern.ch), David Rousseau (LAL Orsay), Jean-Roch Vlimant (Caltech), Cherifa Sabrina Amrouche (University of Geneva), Cecile Germain (Université Paris-Sud), Slava Voloshynovskiy (University of Geneva), Marco Rovere (CERN), Maurice Garcia-Sciveres (LBNL), Marc Schoenauer (INRIA Saclay), Paolo Calafiura (LBNL)

[More information](#)

[Sabrina]

Thematic programs IPa-2019 completed 3/3



APPTh @ UPSaclay : The Paris-Saclay AstroParticle Symposium 2019

2019 : 14 October, 8 November

Organizers : Philippe Brax (IPhT, CEA Saclay) and Yann Mambrini (LPT, CNRS/PSud)

[More information](#)

Ongoing Programs 1/2

Dynamical Methods for COLD Molecular collisions, from laboratory to beyond the Earth.

Quantum regimes and near thresholds dynamics probed by theory and experiments

Scientific Organizing Committee :

Laurent Wiesenfeld (CNRS/U. Paris-Saclay, FR, chair)

Annemieke Petrigani (FELIX, U. Nijmegen, NL)

Maxence Lepers, Maxence (CNRS/U. Dijon, FR)

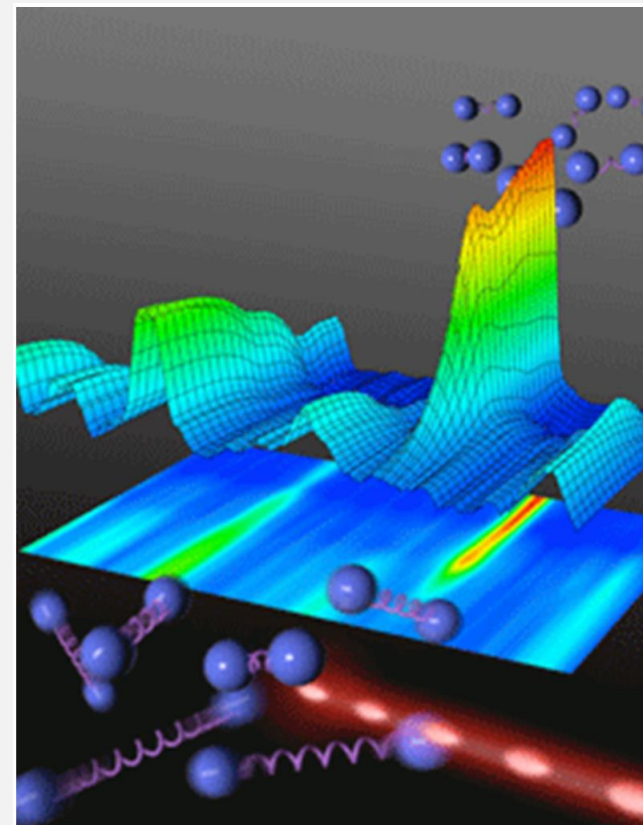
Ioan Schneider (U. Le Havre, FR)

Maria-Luisa Senent, (CSIC, Madrid, ES)

Yuri Suleymanov (Cyprus Institute, CY)

Andreas Wolf (Max Planck Inst, Heidelberg für Kernphysik, DE)

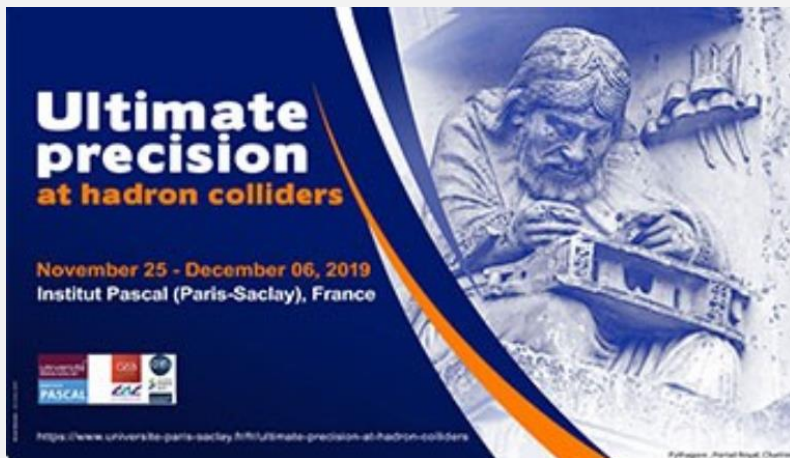
IPa Program manager : Karolina



Ongoing Programs 2/2

Ultimate precision at hadron colliders

25 November - 6 December 2019 and spring 2020



Organizers :

Louis Fayard
Martin Boonekamp
Fabrice Balli
Marumi Kado

IPa Program manager : Sabrina

IPa-2020/21 programs under preparation

2020	WHOLE SUN	2 to 27 March 2020
2020	ELEKTROWEAK *** (Ultimate precision at hadron colliders)	1 week early spring 2020. Dates to be confirmed by Louis Fayard
2020	GOLD: "The Golden Cosmological Surveys Decade"	1st of April to 5th of June 2020
2020	CORE2DISK	4 weeks: 25 May to 20 June 2020
2020	Interstellar Institute ***	4 weeks: Possibly 22 June to 17 July 2020 (To Be Confirmed by Marc-Ant.)
2020	LEARNING 2 DISCOVER: PART 4 ***	20 to 31 July 2020
2020	Quantum: Dynamics and local control of impurities in complex quantum environments	4 weeks in August/September DATES TBC
2020	"TAGGED": Exploring QCD with Tagged Processes	6 weeks - 14 sept to 23 October
2021	BOOTSTAT: "Conformal bootstrap and statistical models: a powerful approach to solve long-standing problems in statistical physics"	4 weeks - 3 to 28 May 2021
2021	WATER/EARTH: "Unraveling the atmospheric water cycle of the Earth Extracting the physics of the climate from a hierarchy of diverse observations ranging multiple scales"	4 weeks - Summer 2021 - DATES TO BE CONFIRMED Scientific organisers stated: "We would like to hold a 4-week program in mid-June to mid-July 2021"

IPa-call : next one in spring (open to all)

Institut Pascal

PARTAGER ↩

Institut Pascal: a scientific hub, dedicated to research, innovation, the exchange of knowledge and the development of new ideas.

Institut Pascal aims to shape the identity and influence of the Paris-Saclay University, both regionally and internationally, as a place of intellectual excitement. The facilities, for which construction will be completed by spring 2019, will allow numerous researchers from all over the world to unite, establishing new collaborations, exploring both new and common ideas and techniques while working on site.

Where to find us : Bâtiment Pascal, 530 rue André Rivière, 91400 Orsay Cedex.

Call for proposals - Fall 2019



Contact us or a CLIP member if you have any question

Practicalities 1/2

✓ Lunch

- Monday a buffet in the institute (bring plate & glassware back to help the team)
- Tuesday-Friday : the cantine around the corner (follow the organizer and make sure to grab a nice full 4 course meal : starter, main dish + optional salad, dairy product (cheese or yoghurt) and a sweet dessert and/or fruit. No drinks included, but will be on the table). For vegetarians : order an omelet or ask French co-participant to order you one.

✓ Social program

- Happy Science Hour, usually on Tuesdays.
- Dinner Usually on Thursday.

- ✓ Badges can be handed out to those participants staying for a longer period and/or planning on arriving early and/or staying late.

Practicalities 2/2

✓ IT

- there is eduroam in the building, but for those who don't have eduroam there is IPa-wifi. Just see someone of the IPa-team for a login.
 - Same goes for the Ethernet-cables. For this we would need your MAC-address and then you can have a login.
 - There is a printer at your disposition in the 'hidden' coffee-corner behind the cathedral
 - There is a visio-conference set-up on the 1st floor which you can use. Please ask the team.
 - There is a "speechi" for interactive presentations which you can use. Please ask the team.
- ✓ **Joint responsibility** : the IPa-team can unfortunately not always stay till the last participants stayed, so we would like to ask the participants to join into the responsibility of leaving the IPa in a good state at the end of the day. Meaning that the last person(s) are asked to close the door to the kitchen.