

Tagging ■ Reconstruction ■ Detector Simulation ■ Event Generation ■ Astrophysics
 Unfolding ■ Theory ■ Anomaly Detection ■ Uncertainties ■ Interpretability

MILYjets | (Astro-)Particle Physics and Cosmology

Paris | November 4-8, 2024

Local Organizing Committee

- Rnja Butter (LPNHE)
- Reina Camacho (LPNHE)
- Benjamin Fuks (LPTHE)
- Nabil Garroum (LPNHE)
- Mark Goodsell (LPTHE)
- Bertrand LaForge (LPNHE)
- Bogdan Malaescu (LPNHE)
- David Rousseau (IJCLab)



<https://indico.cern.ch/event/1386125/>

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- Kyle Cranmer (UW-Madison)
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- Jesse Thaler (MIT)
- Sofia Vallecorsa (CERN)



Welcome to ML4Jets 2024

On behalf of the local organizing committee

Anja Butter (LPNHE)

Reina Camacho (LPNHE)

Benjamin Fuks (LPTHE)

Nabil Garroum (LPNHE)

Uladimir Gligorov (LPNHE)

Mark Goodsell (LPTHE)

Bertrand Laforge (LPNHE)

Bogdan Malaescu (LPNHE)

David Rousseau (IJCLab)

We would like to thank

LPNHE for hosting this event and providing us with the full infrastructure



Sorbonne University for hosting the Reception in Tour Zamansky



SCAI for the reception lunch



FRIF, UPC & IN2P3 for financial support



LPTHE for administrative support

Carla and Isabelle for extensive administrative help



Lorenz Vogel for the poster design



Antoine, Daniel, Javier for supporting the LOC during this week



Location

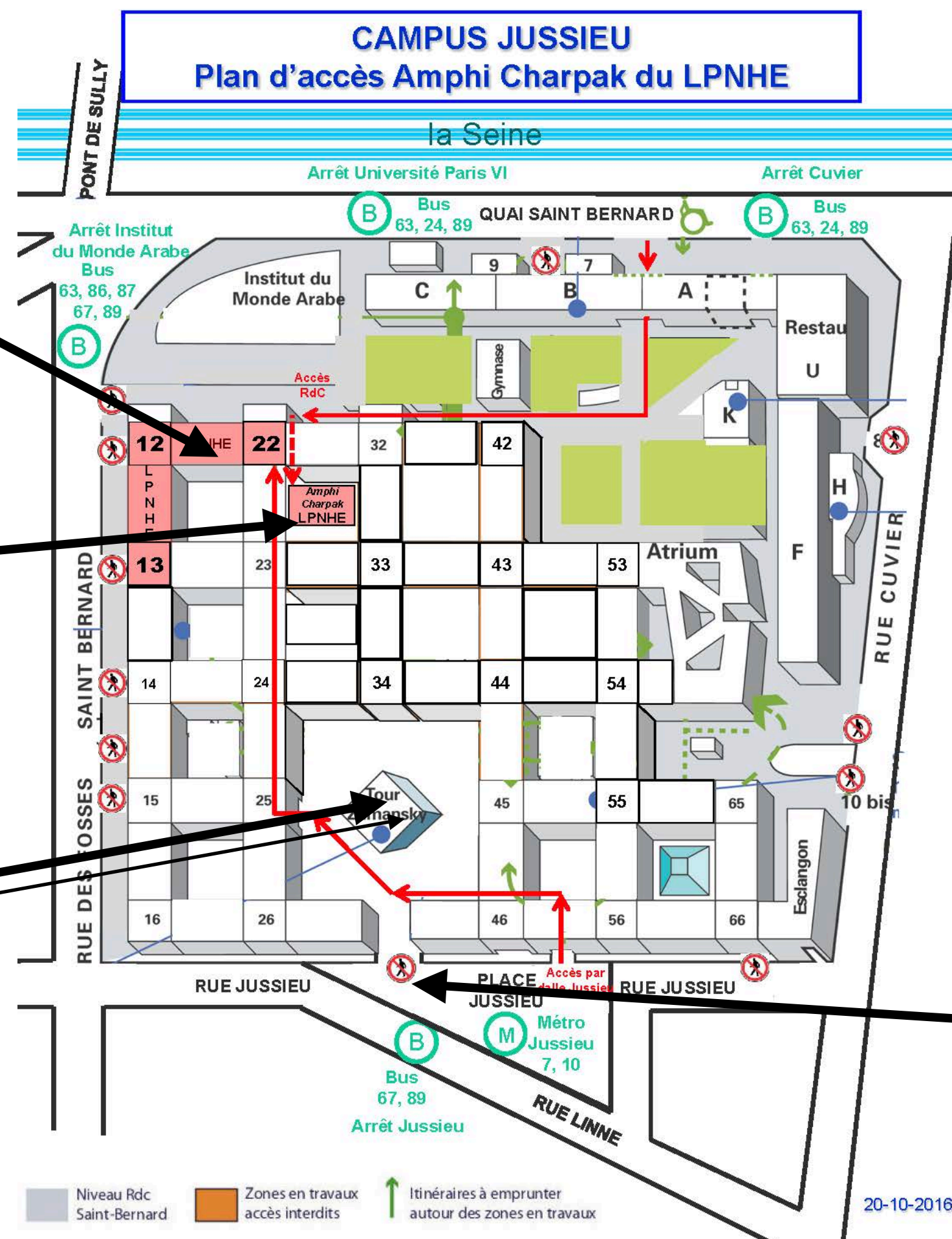
Salle des séminaires
(Parallel sessions
Tuesday- Thursday)

Please keep your badge on you
to access the corridor

Amphi Charpak
(Plenary & parallel sessions)

Tour Zamansky
(Tuesday lunch)

Entrance
&
Metro station
M7, M10



Scientific program

106 contributions (most contributions accepted)
140 in person participants

Parallel sessions

on Tuesday - Thursday
in Amphi Charpak and Salle des séminaires

Plenary sessions

on Monday, Wednesday afternoon and Friday
in Amphy Charpak

→ Invited talks and a mix of contributions selected
from all topics

Track 1
Amphi Charpak

Reconstruction
Tagging
Anomaly detection
Unfolding & Inference

Track 2
Salle des séminaires

Theorie
Event generation
Detector simulation
Uncertainties & Interpretation
Astro & Cosmo
Foundation models

Each contribution is **15' + 5'**
Please upload your slides the **evening before your talk**

Scientific program

Due to some last minute *withdrawn* contributions *we* have some small gaps on Thursday.

Options:

- ~ Start later ~
- ~ Make more talks plenary ~
- ~ Potential time for a discussion session ~

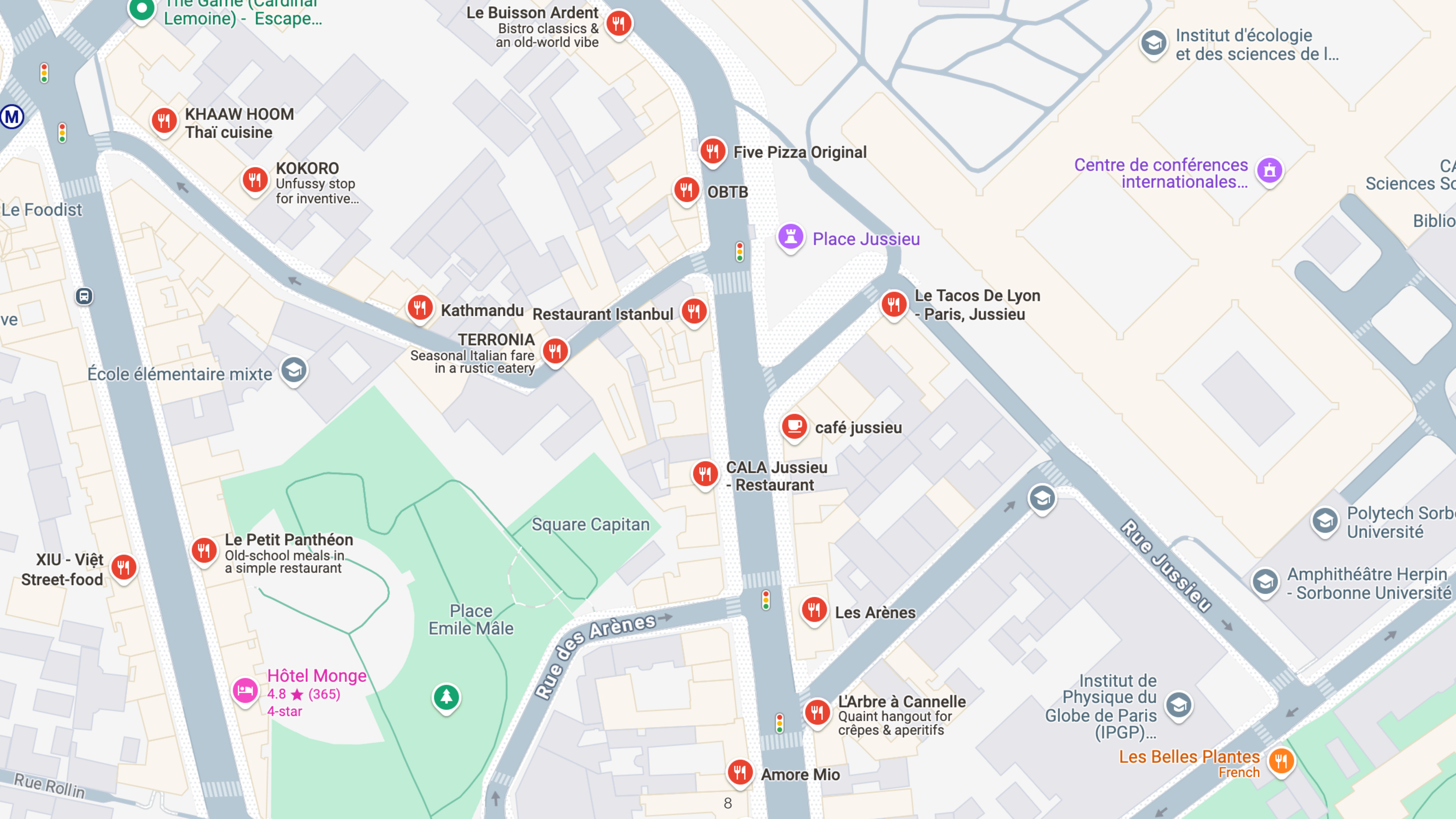
Open for suggestions!

Approach one of the organizers or use slack

Non scientific program

Coffee breaks morning and afternoon in front of the amphitheater

There is no free lunch - but a great selection of restaurants just outside the door



The Game (Cardinal Lemoine) - Escape...

Le Buisson Ardent
Bistro classics & an old-world vibe

Institut d'écologie et des sciences de l'Environnement

KHAAW HOOM
Thaï cuisine

KOKORO
Unfussy stop for inventive...

Five Pizza Original

Centre de conférences internationales...

Le Foodist

OBTB

Place Jussieu

CA Sciences So
Biblio

Kathmandu Restaurant Istanbul

Le Tacos De Lyon
- Paris, Jussieu

École élémentaire mixte

TERRONIA
Seasonal Italian fare in a rustic eatery

café jussieu

CALA Jussieu
- Restaurant

Square Capitan

Polytech Sorbonne Université

XIU - Viet
Street-food

Le Petit Panthéon
Old-school meals in a simple restaurant

Amphithéâtre Herpin - Sorbonne Université

Place Emile Mâle

Les Arènes

Hôtel Monge
4.8 ★ (365)
4-star

Rue des Arènes

Institut de Physique du Globe de Paris (IPGP)...

L'Arbre à Cannelle
Quaint hangout for crêpes & aperitifs

Les Belles Plantes
French

Rue Rollin

Amore Mio

8

Non scientific program

Coffee breaks morning and afternoon in front of the amphitheater

There is no free lunch - but a great selection of restaurants just outside the door

Exception: Reception on Tuesday in Tour Zamansky - offered by SCAI

Conference dinner on *Wednesday* evening 7pm at Bouillon Racine
6 pending menu requests

Change of heart and *you want to attend?* → Please come see me

Payment website should open today

Code of conduct

- The organizers are committed to making this meeting productive and enjoyable for everyone, regardless of gender, sexual orientation, disability, physical appearance, body size, race, nationality or religion. We will not tolerate harassment of participants in any form.

Please follow these guidelines:

- Behave professionally. Harassment and sexist, racist, or exclusionary comments or jokes are not appropriate. Harassment includes sustained disruption of talks or other events, inappropriate physical contact, sexual attention or innuendo, deliberate intimidation, stalking, and photography or recording of an individual without consent. It also includes offensive comments related to gender, sexual orientation, disability, physical appearance, body size, race or religion.
 - All communication should be appropriate for a professional audience including people of many different backgrounds. Sexual language and imagery is not appropriate.
 - Be kind to others. Do not insult or put down other attendees.
- Participants asked to stop any inappropriate behaviour are expected to comply immediately. Attendees violating these rules may be asked to leave the event at the sole discretion of the organisers.

Communication, Internet, etc.

- Primary means of online communication: **Slack**
 - https://join.slack.com/t/ml4jets/shared_invite/zt-2tsqlgd5w-Ex~xMtpPZ7OcSzTYZhhU6Q
 - Email (anja.butter@lpnhe.in2p3.fr, rousseau@lal.in2p3.fr, bogdan.malaescu@lpnhe.in2p3.fr)
- **Internet:** Please use eduroam
 - Conferences are much more fun if you actively participate
 - Please keep your laptop closed as much as possible
- Seperate zoom links for Amphi Charpak and Salle des séminaires have been sent by mail
- If you need a room to have a meeting, please approach one of the organizers.

AI & Art in Paris

GRAND PALAIS IMMERSIF
PRÉSENTE SA NOUVELLE EXPOSITION

MIGUEL CHEVALIER

PIXELS

UNE EXPÉRIENCE
INTERACTIVE
AVEC L'UNIVERS
CRÉATIF DE L'IA

05 NOV. 2024
— 06 AVR. 2025

GRAND PALAIS IMMERSIF
110 RUE DE LYON, PARIS 12^E
BASTILLE

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BANQUE des TERRITOIRES VINCI Grand Palais Paris 12^e RATP Korant COSMOPOLITAN TC ARTS CITY Usbek & Rica BFM TV.

Enjoy ML4Jets 2024

Enjoy Paris



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And have fun