

**PYPARIS 2017
JUNE 12TH & 13TH
POLE UNIVERSITAIRE DE VINCI**

Detailed schedule



Conférences - June 12th

Starting at

Amphi H

Amphi F

Amphi C

Amphi G

09:00

Introduction
Stefane Fermigier, Program Chair

09:15

Keynote Sylvain Corlay, Quantstack
Applied mathematician, open-source developer (contributor to Jupyter)

10:00

Eyepea/ALLOcloud
Senior software developer and engineer

10:45

Coffee break

11:00

Neat Analytics with Pandas Indexes
Alexander Hendorf

From Python to smartphones: neural nets @ Saint-Gobain
François Sausset

Serve an Hypermedia API using CubicWeb-JSONSchema
Nicolas Chauvat

Mock it right! A beginner's guide to world of tests and mocks
Maciej Polańczyk

11:20

Pandas: what's new and what's coming
Joris Van den Bossche

Using Python to fight Malaria
Pierre Poulain

Using Python for IoT: a return of experience
Alexandre Abadie

Maciej Polańczyk

11:45

Some extensions for Jupyter/IPython notebook
Jean-François Bercher

Collaborative filtering for recommendation systems in Python
Nicolas Hug

Syncing up with Python's asyncio for (micro) service development
Joir-dan Gumbs

Incremental Computation in Python
Phillip Schanely

12:30

Lunch break

14:00

Advanced Data Engineering Patterns with Apache Airflow
Maxime Beauchemin

Automatic image moderation in classifieds
Jarosław Szymczak

Building a high-performance, scalable ML & NLP platform with Python
Sheer El Showk

Improving python memory management in a multi-process environment with wendelin.core
Jean-Paul Smets

14:20

14:45

Simple ETL in python 3.5+ with Bonobo
Romain Dorgueil

A Beginners Guide to Weather & Climate Data
Margriet Groenendijk

DESIGNING AND CODING FOR CLOUD-NATIVE APPLICATIONS USING PYTHON
Harjinder Mistry

Writing a C Python extension in 2017
Jean-Baptiste Aviat

15:30

Exploring French Job Ads
Lynn Cherny

Automatic image moderation in classifieds
Jarosław Szymczak

Ways to generate PDF from Python Web applications
Gaël Le Mignot

Call a C API from Python becomes more enjoyable with CFFI
Jean-Sébastien Bevilacqua

15:50

Serverless architecture in Python with Azure Functions
Benjamin Talmard

16:15

Coffee break

16:45

Open-Source Analytics Stack on MongoDB, with Schema
Pierre-Alain Jachiet and Aurélien Gervasi

The rod of Asclepius: Machine learning in Python for cardiac image analysis
Jan Margeta

Developer-friendly task queues: what we learned building MRQ
Sylvain Zimmer

17:05

Machine Learning in computational materials science: an overview, a primer, and a rant
Igor Mosyagin

17:30

FluidDyn, open-science in fluid dynamics with Python: examples of recent developments
Pierre Augier

FreeDiscovery - information retrieval and e-Discovery in Python
Roman Yurchak

Robustifying concurrent.futures
Thomas Moreau

18:15

End of conferences

Data 1

Data 2

Web / Cloud

Core

Conférences - June 13th

Starting at

Amphi H

Amphi F

Amphi G

09:00

Keynote Nicholas Tollervey, Tollervey Ltd.
software engineer, classically trained musician, philosophy graduate, teacher and writer.

09:50

How to make teenage girls love coding using Python and the visual arts-oriented language Processing ?
Ch'ticode, Université de Lille

Performant Python
Burkhard Kloss

Machine Learning for Computer Security Experts using Python & scikit-learn
Anaël Bonneton

10:35

coffee break

11:00

Camisole : a secure online sandbox to grade students
Antoine Pietri (Prologin)

Wolfcrypt: wrapping secrets in Python
Moisés Guimarães de Medeiros

Cloud computing made easy in Joblib
Alexandre Abadie

11:25

MOOC roundtable

Imbalanced learn
Guillaume Lemaître

Introduction to pomegranate
Venkat Raghav Rajagopalan

11:50

Thierry Parmentelat (Inria)
Olivier Ricou (EPITA)

Unicode and bytes demystified
Boris Feld

Introduction to pomegranate
Venkat Raghav Rajagopalan

12:00

Lunch break

14:00

Micro:bit workshop
Nicholas Tollervey

Building and deploying a predictive API using scikit-learn, Flask and Docker
Nawfal Tachfine

14:45

How to prepare your text data for NLP applications
Loryfel Nunez

Machine Learning to moderate ads in real world classified's business
Vaibhav Singh

15:30

Introduce AI to kids? It's possible!
Jill-Jënn Vie

Machine Learning to moderate ads in real world classified's business
Vaibhav Singh

15:50

Circuit Simulation using Python
Fabrice Salvaire

16:15

coffee break

16:45

Lightning talks

17:30

Keynote Andreas Müller, Columbia University
scikit-learn core developer / author of the O'Reilly book "Introduction to machine learning with Python"

18:15

Closing cocktail

Education

Core / Web

Scikit-Learn Day

Tutoriels - June 13th

Starting at	salle E109/110	salle E111/112	salle E115/116
11:00	Program in Python against big data clusters from one VM, thanks to Docker Benjamin Guinebertière	Introduction to Data Analysis using Python Francis Wolinski	An introduction to Deep Learning with mxnet Julien SIMON
- 12:30			
<i>Lunch break</i>			
14:00	AsyncIO and aiohttp workshop Ludovic Gasc	Data analysis with Pandas Joris Van den Bossche	Topic Modelling (and a lot more) with NLP framework Gensim Bhargav Srinivasa Desikan
- 16:00			

Starting at	salle E152/153	Amphi H
11:00	Function-as-a-Service: A Pythonic Perspective on Serverless Computing Josef Spillner	
- 12:30		
<i>Lunch break</i>		
14:00		Micro:bit workshop
- 16:00		