



European  
Python  
Programming  
Conference

EURO  
PYTHON  
2015

Bilbao  
20-26 July

## Schedule overview

MONDAY, 20 July 2015

Google Room

A2 Room

Python  
Anywhere Room

Barria1 Room

Barria2 Room

Room E

Room A4

Room C1

Room B Terrace

08:30

09:00

09:30

10:30

11:00

11:45

12:30

13:30

14:30

15:15

15:45

16:15

16:45

17:15

18:00

Breakfast

WELCOME

Keynote

Coffee break

Asyncio Stack & React.js or Development on the Edge

Python in the Sky: In-Flight Entertainment with Python

Multibody Simulation using sympy, scipy and vpython

Scaling MySQL with Python

Getting started with Bokeh / Let's build an interactive data visualization for the web.. in Python!

Intro to Web Development with Docker

Modern optimization methods in Python

Django Girls Workshop

Beginners' Day

Sphinx autodoc: automated API documentation

Machine Learning Under Test

Python for IT specialists' tasks automation

The Lightweight Cloud Servers War Begins

Distributed Workflows with Flowy

Everyone can do Data Science in Python

What is wrong with API wrappers and how can we do better

Less known packaging features and tricks

PIP Internals

It Works on My Machine: Writing Python Code for Any Environment

Lunch

Numba, a JIT compiler for fast numerical code

with modern\_ peripherals: Python and Flask

The Python Compiler

Can Rust make Python shine?

Knowing your garbage collector

pytest - simple, rapid and fun testing with Python

Beginner's Guide to Machine Learning Competitions

Django Girls Workshop

Beginners' Day

Metrics-driven development

Frontera: open source large-scale web crawling framework

Big data beautiful visualization on the browser with Bokeh

Standing on the Shoulders of Giants: The Kotti Web Application Framework

Why should You consider microservices ?

Sustainable way of testing your code

Python & Internet of Things

What dojos are and how we run these at pyBCN

The Butler and the Snake - Continuous Integration for Python

Coffee break

Writing quality code

Python and elasticsearch 101

Brainwaves for Hackers 2.0

"New Trends In Storing Large Data Silos With Python"

Python Multithreading and Multiprocessing: Concurrency and Parallelism

Lightning Talks

Open Spaces

Tuesday, 21 July 2015

Breakfast

08:30

09:15

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Advanced Web Scraping

PySpark and Warcraft Data

Code is not text! How graph technologies can help us to understand our code better.

Get native with Cython

Why storing files for the web is not as straightforward as you might think.

Numpy arrays: the weapons of a data scientist

"Python para Iniciantes (ESPAÑOL)"

Dive into Scrapy

Lessons learned about testing and TDD

Beyond grep: Practical Logging and Metrics

To the Clouds: Why you should deploy to the cloud even if you don't want to

Building mobile APIs with services at Yelp

Nameko for Microservices

Argus - the omniscient CI

Scale your data, not your process: Welcome to the Blaze ecosystem

Image recognition and camera positioning with OpenCV. A tourist guide application.

Using Git Hooks to Help Your Engineering Teams Work Autonomously

Stop trying to glue your services together; import lymph

TDD is not about tests!

Data-visualisation with Python and Javascript: crafting a data-viz toolchain for the web

Salting things up in the sysadmin's world

Introduction to Baserock

Mastering asyncio applications

Manos a la obra con OpenStack: La guía paso a paso para comenzar a contribuir a OpenStack

Python idioms to help you write good code

A Deep Look at Logging

Python and PyPy performance (not) for dummies

Python Not Recommended

Citizen Science: Tracking Aliens with Python!

Understanding Non-blocking IO

Python and PostgreSQL, a wonderful wedding

Use Python to process 12mil events per minute and still keep it simple (Talk)

Mashing up py.test, coverage.py and ast.py to take TDD to a new level

Coffee break

Recruiting sponsors presentation

The hook-based plugin architecture of py.test

Functional Python with Mochi

Using Scikit-Learn's interface for turning Spaghetti Data Science into Maintainable Software

Code Quality in Python - tools and reasons

Coffee break

Sponsored massage training, in aid of the Python Software Foundation

Open Spaces

Poster session

Recruiting session

beginner intermediate advanced

Wednesday, 22 July 2015

Google Room		A2 Room		Python Anywhere Room		Barria1 Room		Barria2 Room		Room E		Room A4		Helpdesk 1	
Breakfast															
Announcements															
Keynote															
Coffee break															
Data Analysis and Map-Reduce with mongoDB and pymongo		A Pythonic Approach to Continuous Delivery		CityBikes: bike sharing networks around the world		Python Security & Cryptography		Metaprogramación en Python		Efficient Memory/Disk Data Containers With Python		Building Async Microservices		The doc(tor)s are in! (Documentation Helpdesk)	
Type Hints for Python 3.5		The Salt Route		MAX: Realtime messaging and activity stream engine		TDD for APIs		Todo es una trampa							
Odoo the underdog python killer app. A python framework for web based business apps.		From basic distance search to a complex multi criteria search		How to Be More Effective with Classes		Release Management with Devpi		Incorporando administrado repositorios de información para generar documentación on-demand							
Lunch															
12 years of Pylint (or How I learned to stop worrying about bugs)		Python Gamedev MLG		Playing with CPython Objects Internals		EuroPython 2016: Help us build the next edition!		Deja de pegarte con tus servicios; import lymph		Lego for Scrum		Full Stack + DevOps using Pyramid, Buildout and Docker			
Distributed locks with Python and Redis		Lessons learned with asyncio ("Look ma, I wrote a distributed hash table!")		Designing a scalable and distributed application		EPS General Assembly		Python gure etxean: (r) eboluzioa atzo, gaur eta bihar							
Building nice command line interfaces - a look beyond the stdlib		Asyncio community, one year later						Karakate magaletik EuroPythoneko tontorrera							
Coffee break															
PySpark - Data processing in Python on top of Apache Spark.		Activity Map from space: supporting mine clearance with Python		How to build a spreadsheet with Python		The realities of open source testing: lessons learned from "Adopt pytest month"		Lecciones aprendidas en un proyecto grande de Django							
Lightning Talks															
Open Spaces															
Pyntxos Night in Hotel Ercilla, at 20:00															

Thursday, 23 July 2015

Breakfast								
Announcements								
Keynote								
Coffee break								
TDD - the why, the how and the when not	Extending and embedding Ansible with Python	Architecture of a cloud hosting service using python technologies: django, ansible and celery	Better asynchronous code with Tornado and Python 3	Physical computing with Python and Raspberry Pi	Distributed Programming With Python	Introduction to Data Analysis	Scrapy Helpdesk	
Come to the Dark Side! We have a whole bunch of Cookiecutters!	Decorators demystified	Testing with two failure seeking missiles: fuzzing and property based testing	Terminal Whispering	Pycon - A teacher's perspective				
NumPy: vectorize your brain	Faking It - The Art of Testing Using Verified Fakes	What's the fuzz all about? Randomized data generation for robust unit testing	BDD: You're doing it wrong!	Online Education: challenges and opportunities for Staff and Students				
Lunch								
Gifts - building a filesystem in Python	Python microservices on PaaS done right	Killer REST APIs for rich JS applications	Reahl: The Python-only web framework	Diversity: We are not done yet	Don't be afraid to search	Explore physical computing with Python and Raspberry Pi	Scrapy Helpdesk	
What it's really like building RESTful APIs with Django	Easy FullStack Deployments	Taking the pain out of passwords and authentication	MkDocs: Documenting projects with Markdown	Raspberry Pi Weather Station				
Python's Infamous GIL	Through the lens of Haskell: exploring new ideas for library design			Yak shaving a good place to eat using non negative matrix factorization				
Coffee break								
The GIL is dead: PyPy-STM	Antipatterns for Diversity	Building a RESTful real-time analytics system with Pyramid	Building a multi-purpose platform for bulk data using sqlalchemy	Data Structures with Python				
Lightning Talks								
					Open Spaces			

Friday, 24 July 2015

Breakfast							
Announcements							
Keynote							
Coffee break							
RinohType, a document processor inspired by LaTeX	Continuous Deployment for webapps based on Django	Arrested Development - surviving the awkward adolescence of a microservices-based application	PyPy for mediocre programmers	Solving the web most popular code shortening competition in Python.	TDD for web development, from scratch	Python decorators in detail	
Big Data with Python & Hadoop	How you can benefit from type hints	DumbDev -- eight rules for dumb development	Practical usage of advanced Python constructs	"It's about time to take your medication!" or how to write a friendly reminder bot :-)			
Beyond the basics with Elasticsearch	Parallelism Shootout: threads vs asyncio vs multiple processes	Just Because You Can, Doesn't Mean You Should	Preparing Apps for Dynamic Scaling	Demystifying Mixins with Django			
Lunch							
FOSS DOCS 101 (keep it simple, present!)	TDD is not about tests!	Tuning Python applications can dramatically increase performance	Python Advanced Basics (Meta Classes)	External authentication for Django projects	Faster Python Programs - Measure, don't Guess	Scrapy Workshop	PyBCN Dojo
How-To: Build a local Python community	PyPy and the future of the Python ecosystem	The unabridged guide to Domain Specific Languages in Python	Learnt lessons in a big Django Project	Python for Cloud Services and Infrastructure Management			
Static type-checking is dead, long live static type-checking in Python!	Bringing PostgreSQL towards zero downtime migration with Python	Import Deep Dive		Speeding up search with locality sensitive hashing			
Coffee break							
Sprint Orientation							
Lightning Talks							
Closing							

Wifi access info

SSID: europython2015  
Password: europython2015



beginner intermediate advanced