

Presenter(s): David Sharpe

Talk ID:
11458

Talk Title: Opening

22

5 min pre: 9:10 am **Talk Start:** 9:15 am **Length:** 00:15:00 **End -5m:** 9:25 am **End:** 9:30 am

- [] Have a water bottle for ready for the presenter
- [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
- [] Check that HDMI is plugged into the presenter's laptop
- [] Ensure presenter's display appears on the projector and confidence monitors
- [] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
- [] Ask the presenter how they would like to be introduced and how to pronounce their name
- [] Ask the presenter if they would like time warnings, and if so, when they would like them

- [] When the presenter is ready, un-mute the microphone
- [] Make any special announcements (eg. Audience defrag, events later in the day)
- [] Hit the Big Red Button. (On = recording starts)
- [] Introduce the presenter(s) and the talk

Presenter(s): Flavio Percoco

Talk ID:
11459

Talk Title: Keeping up with the pace of a fast growing community without dying

23

5 min pre: 9:25 am **Talk Start:** 9:30 am **Length:** 01:00:00 **End -5m:** 10:25 am **End:** 10:30 am

- [] Have a water bottle for ready for the presenter
- [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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Presenter(s): Kenneth Kinyanjui, James Mwai

Talk ID:
11460
101

Talk Title: Running Django Applications on GAE - Flexible Environment(Previously Managed VMs)

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 00:45:00 **End -5m:** 11:40 am **End:** 11:45 am

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Hedley Roos

Talk ID:
11461
102

Talk Title: Scaling Django from server to browser through an efficient caching strategy

5 min pre: 11:40 am **Talk Start:** 11:45 am **Length:** 00:45:00 **End -5m:** 12:25 pm **End:** 12:30 pm

- [] Have a water bottle for ready for the presenter
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 - [] Introduce the presenter(s) and the talk

Presenter(s): Armin Rigo

Talk ID:

11462

99

Talk Title: RevDB, a reverse debugger

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 00:45:00 **End -5m:** 2:10 pm **End:** 2:15 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Richard Plangger

Talk ID:

11463

100

Talk Title: Optimizing Python programs, PyPy to the rescue

5 min pre: 2:10 pm **Talk Start:** 2:15 pm **Length:** 00:45:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
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-
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Stephan Van Ellewee

Talk ID:
11464
87

Talk Title: Some Less obvious uses of SQLite

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Reuben Cummings

Talk ID:
11465
86

Talk Title: Stream processing made easy with riko

5 min pre: 4:10 pm **Talk Start:** 4:15 pm **Length:** 00:45:00 **End -5m:** 4:55 pm **End:** 5:00 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Neil Muller

Talk ID:
11466
46

Talk Title: Thursday Lightning Talks

5 min pre: 4:55 pm **Talk Start:** 5:00 pm **Length:** 00:30:00 **End -5m:** 5:25 pm **End:** 5:30 pm

-] Have a water bottle for ready for the presenter
-] Ensure presenter has microphone and completed sound check (if not, poke AV team)
-] Check that HDMI is plugged into the presenter's laptop
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-] Hit the Big Red Button. (On = recording starts)
-] Introduce the presenter(s) and the talk

Presenter(s): Navid Hatefnia

Talk ID:
11467
30

Talk Title: Python, Pet of Architects

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 00:45:00 **End -5m:** 11:40 am **End:** 11:45 am

-] Have a water bottle for ready for the presenter
-] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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-] Hit the Big Red Button. (On = recording starts)
-] Introduce the presenter(s) and the talk

Presenter(s): Travis Pawley

Talk ID:
11468
33

Talk Title: Listen to the Snake

5 min pre: 11:40 am **Talk Start:** 11:45 am **Length:** 00:45:00 **End -5m:** 12:25 pm **End:** 12:30 pm

-] Have a water bottle for ready for the presenter
-] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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-] Make any special announcements (eg. Audience defrag, events later in the day)
-] Hit the Big Red Button. (On = recording starts)
-] Introduce the presenter(s) and the talk

Presenter(s): Trevor Bell

Talk ID:

11469

35

Talk Title: Python in Viral Bioinformatics Research

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 00:45:00 **End -5m:** 2:10 pm **End:** 2:15 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Imogen Wright

Talk ID:

11470

37

Talk Title: Beating the bugs: simulating drug resistance in viral and bacterial DNA using Python and AWS

5 min pre: 2:10 pm **Talk Start:** 2:15 pm **Length:** 00:45:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Jessica Upani

Talk ID:
11471

Talk Title: Ensure Python Development: Practical strides that we can take to ensure Python skills development

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): JD Bothma

Talk ID:
11472

Talk Title: Public Python for the greater good

89

5 min pre: 4:10 pm **Talk Start:** 4:15 pm **Length:** 00:45:00 **End -5m:** 4:55 pm **End:** 5:00 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Neil Muller

Talk ID:

11473

31

Talk Title: An introduction to interfacing with C using CFFI

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 01:30:00 **End -5m:** 12:25 pm **End:** 12:30 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Humphrey Butau

Talk ID:

11474

38

Talk Title: Introduction to Test Driven Development with Python

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 01:30:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
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-
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Iwan Vosloo

Talk ID:

11475

85

Talk Title: Experiments with test setup

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
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Presenter(s): Joannah Nanjekye, Naggita Keziah

Talk ID:

11476

44

Talk Title: Contributing to python open source Infrastructure and projects

5 min pre: 4:10 pm **Talk Start:** 4:15 pm **Length:** 00:45:00 **End -5m:** 4:55 pm **End:** 5:00 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Simon Cross

Talk ID:
11477

Talk Title: Panel Discussion: Teaching Python

47

5 min pre: 8:55 am **Talk Start:** 9:00 am **Length:** 01:00:00 **End -5m:** 9:55 am **End:** 10:00 am

- [] Have a water bottle for ready for the presenter
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-
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Bruce Merry

Talk ID:
11478

Talk Title: Juggling GPU tasks with asyncio

80

5 min pre: 9:55 am **Talk Start:** 10:00 am **Length:** 00:45:00 **End -5m:** 10:40 am **End:** 10:45 am

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [] When the presenter is ready, un-mute the microphone
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 - [] Introduce the presenter(s) and the talk

Presenter(s): Paul Kehrer

Talk ID:
11479
79

Talk Title: Reliably Distributing Binary Modules

5 min pre: 11:10 am **Talk Start:** 11:15 am **Length:** 00:45:00 **End -5m:** 11:55 am **End:** 12:00 pm

- [] Have a water bottle for ready for the presenter
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Christo Goosen

Talk ID:
11480
93

Talk Title: MicroPython: Python for microcontrollers and constrained environments

5 min pre: 11:55 am **Talk Start:** 12:00 pm **Length:** 00:45:00 **End -5m:** 12:40 pm **End:** 12:45 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Adam Jorgensen

Talk ID:
11481
98

Talk Title: Distributed Applications in Python: Celery vs. Crossbar

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 00:45:00 **End -5m:** 2:10 pm **End:** 2:15 pm

- [] Have a water bottle for ready for the presenter
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- [] Hit the Big Red Button. (On = recording starts)
- [] Introduce the presenter(s) and the talk

Presenter(s): Hynek Schlawack

Talk ID:
11482
90

Talk Title: Get Instrumented: How Prometheus Can Unify Your Metrics

5 min pre: 2:10 pm **Talk Start:** 2:15 pm **Length:** 00:45:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
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- [] Make any special announcements (eg. Audience defrag, events later in the day)
- [] Hit the Big Red Button. (On = recording starts)
- [] Introduce the presenter(s) and the talk

Presenter(s): Irikidzai Muchaneta

Talk ID:
11483

Talk Title: Computer Vision - Creating a complex color polling project using Python, OpenCV and Raspberry Pi

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
- [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [] When the presenter is ready, un-mute the microphone
- [] Make any special announcements (eg. Audience defrag, events later in the day)
- [] Hit the Big Red Button. (On = recording starts)
- [] Introduce the presenter(s) and the talk

Presenter(s): Simon Cross

Talk ID:
11484

Talk Title: Friday Lightning Talks

78

5 min pre: 4:10 pm **Talk Start:** 4:15 pm **Length:** 00:30:00 **End -5m:** 4:40 pm **End:** 4:45 pm

- [] Have a water bottle for ready for the presenter
- [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [] When the presenter is ready, un-mute the microphone
- [] Make any special announcements (eg. Audience defrag, events later in the day)
- [] Hit the Big Red Button. (On = recording starts)
- [] Introduce the presenter(s) and the talk

Presenter(s): Maciej Fijałkowski

Talk ID:
11485

Talk Title: How development models affect the team

73

5 min pre: 4:40 pm **Talk Start:** 4:45 pm **Length:** 01:00:00 **End -5m:** 5:40 pm **End:** 5:45 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): David Sharpe

Talk ID:
11486

Talk Title: Closing

74

5 min pre: 5:40 pm **Talk Start:** 5:45 pm **Length:** 00:15:00 **End -5m:** 5:55 pm **End:** 6:00 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
 - [] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
 - [] Ask the presenter how they would like to be introduced and how to pronounce their name
 - [] Ask the presenter if they would like time warnings, and if so, when they would like them
-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Alexandre Hardy

Talk ID:
11487

Talk Title: Experiences debugging memory bloat and high CPU consumption in python

96

5 min pre: 9:55 am **Talk Start:** 10:00 am **Length:** 00:45:00 **End -5m:** 10:40 am **End:** 10:45 am

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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-
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Petrus Janse van Rensburg

Talk ID:
11488

Talk Title: Selling groceries online using Postgres, Flask, Docker & Android

64

5 min pre: 11:10 am **Talk Start:** 11:15 am **Length:** 00:45:00 **End -5m:** 11:55 am **End:** 12:00 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
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-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Ronald Tendai Maravanyika

Talk ID:
11489

Talk Title: How to use python and flask to capture downtime losses on a production line

66

5 min pre: 11:55 am **Talk Start:** 12:00 pm **Length:** 00:45:00 **End -5m:** 12:40 pm **End:** 12:45 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
 - [] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
 - [] Ask the presenter how they would like to be introduced and how to pronounce their name
 - [] Ask the presenter if they would like time warnings, and if so, when they would like them
-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Philip Sterne

Talk ID:
11490

Talk Title: Machine Learning in Python - Gaussian Processes

97

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 00:45:00 **End -5m:** 2:10 pm **End:** 2:15 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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-
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 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Simon Kelly

Talk ID:
11491

Talk Title: Building for 100x scale

92

5 min pre: 2:10 pm **Talk Start:** 2:15 pm **Length:** 00:45:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
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 - [] Ask the presenter how they would like to be introduced and how to pronounce their name
 - [] Ask the presenter if they would like time warnings, and if so, when they would like them
-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Ted Pietrzak, Sam Kitonyi

Talk ID:
11492

Talk Title: Traversing the last mile to the financially underserved with Python

71

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
 - [] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
 - [] Ask the presenter how they would like to be introduced and how to pronounce their name
 - [] Ask the presenter if they would like time warnings, and if so, when they would like them
-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Anna Makarudze

Talk ID:

11493

Talk Title: Open Source Software Initiatives in Zimbabwe

60

5 min pre: 9:55 am **Talk Start:** 10:00 am **Length:** 00:45:00 **End -5m:** 10:40 am **End:** 10:45 am

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
 - [] Check that HDMI is plugged into the presenter's laptop
 - [] Ensure presenter's display appears on the projector and confidence monitors
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 - [] Ask the presenter how they would like to be introduced and how to pronounce their name
 - [] Ask the presenter if they would like time warnings, and if so, when they would like them
-
- [] When the presenter is ready, un-mute the microphone
 - [] Make any special announcements (eg. Audience defrag, events later in the day)
 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Tobias Brandt

Talk ID:

11494

Talk Title: Deep Learning in Python

56

5 min pre: 11:10 am **Talk Start:** 11:15 am **Length:** 01:30:00 **End -5m:** 12:40 pm **End:** 12:45 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Reuben Cummings

Talk ID:
11495
62

Talk Title: Data Mining and Processing for fun and profit

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 01:30:00 **End -5m:** 2:55 pm **End:** 3:00 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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 - [] Hit the Big Red Button. (On = recording starts)
 - [] Introduce the presenter(s) and the talk

Presenter(s): Adrianna Pińska

Talk ID:
11496
72

Talk Title: Python-assisted creative writing: managing dynamic gender in RPG scenarios

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 00:45:00 **End -5m:** 4:10 pm **End:** 4:15 pm

- [] Have a water bottle for ready for the presenter
 - [] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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