

**Presenter(s):** David Sharpe

Talk ID:  
11458  
22

**Talk Title:** Opening

**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  
23

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

**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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- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Kenneth Kinyanjui, James Mwai

Talk ID:

11460

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

101

**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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  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Hedley Roos

Talk ID:

11461

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

102

**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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  - [ ] Introduce the presenter(s) and the talk

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

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**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
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  - [ ] Hit the Big Red Button. (On = recording starts)
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**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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**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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**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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  - [ ] Introduce the presenter(s) and the talk



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**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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**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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**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 Nanjeyke, 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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  - [ ] Introduce the presenter(s) and the talk

**Presenter(s):** Simon Cross

Talk ID:  
11477  
47

**Talk Title:** Panel Discussion: Teaching Python

**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
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [ ] Introduce the presenter(s) and the talk

**Presenter(s):** Bruce Merry

Talk ID:  
11478  
80

**Talk Title:** Juggling GPU tasks with asyncio

**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
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- [ ] Introduce the presenter(s) and the talk

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**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)
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**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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**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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**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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**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
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- [ ] 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):** 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)
- [ ] 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
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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

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**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)
  - 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

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**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
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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

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**Presenter(s):** Alexandre Hardy

Talk ID:

11487

96

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

**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
  - [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
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  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Petrus Janse van Rensburg

Talk ID:

11488

64

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

**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
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  - [ ] 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
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- [ ] When the presenter is ready, un-mute the microphone
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  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk



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**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
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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

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**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)
  - [ ] Check that HDMI is plugged into the presenter's laptop
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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

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**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
  - [ ] 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
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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

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**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
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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

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**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)
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  - Hit the Big Red Button. (On = recording starts)
  - Introduce the presenter(s) and the talk

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**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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**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
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  - [ ] Introduce the presenter(s) and the talk

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**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
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