
Presenter(s): Alan McCulloch

Talk ID:
11430
68

Talk Title: Some 10,000ft views of DNA Sequence Data using Python and R

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 40:00 **End -5m:** 11:35 am **End:** 11:40 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): Tomislav Skunca

Talk ID:
11434
70

Talk Title: Auckland Transport APIs

5 min pre: 11:45 am **Talk Start:** 11:50 am **Length:** 40:00 **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

Presenter(s): Lingxian Kong

Talk ID:
11443
72

Talk Title: Use Workflow-as-a-Service without writing python code

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 40:00 **End -5m:** 2:05 pm **End:** 2:10 pm

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

Presenter(s): Hamish Kingsbury, Neal Johnston

Talk ID:
11448
74

Talk Title: Leveraging Python to Automate GIS Processes and Provide Extended Analytical Capabilities

5 min pre: 2:15 pm **Talk Start:** 2:20 pm **Length:** 40:00 **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

Presenter(s): Boris Daszuta

Talk ID:
11454
80

Talk Title: A path to multi(arbitrary)-precision, distributed scientific computation with Python3.

5 min pre: 3:25 pm **Talk Start:** 3:30 pm **Length:** 40:00 **End -5m:** 4:05 pm **End:** 4:10 pm

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

Presenter(s): Lee Symes

Talk ID:

11431

Talk Title: await kittens()

69

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 40:00 **End -5m:** 11:35 am **End:** 11:40 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
 - [] 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): Clinton Roy

Talk ID:

11435

Talk Title: More testing with fewer tests

71

5 min pre: 11:45 am **Talk Start:** 11:50 am **Length:** 40:00 **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)
 - [] 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): Brenda Wallace

Talk ID:

11442

73

Talk Title: Let's put wifi in everything.

5 min pre: 1:25 pm **Talk Start:** 1:30 pm **Length:** 40:00 **End -5m:** 2:05 pm **End:** 2:10 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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- [] 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): Alexander Hogue

Talk ID:

11449

75

Talk Title: Graphing when your Facebook friends are awake

5 min pre: 2:15 pm **Talk Start:** 2:20 pm **Length:** 40:00 **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
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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): Robert CollinsTalk ID:
11455
81**Talk Title:** Rust for Pythonistas**5 min pre:** 3:25 pm **Talk Start:** 3:30 pm **Length:** 40:00 **End -5m:** 4:05 pm **End:** 4:10 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): Lucy Bain

Talk ID:
11424
61

Talk Title: What's holding you back from connecting with others?

5 min pre: 9:15 am **Talk Start:** 9:20 am **Length:** 70:00 **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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- [] 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): Grant Paton-Simpson

Talk ID:
11457
78

Talk Title: Python Basics Plus

5 min pre: 10:55 am **Talk Start:** 11:00 am **Length:** 90:00 **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)
- [] 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

Presenter(s): Lilly Ryan

Talk ID:

11441

79

Talk Title: Web Development with Python Flask**5 min pre:** 1:25 pm **Talk Start:** 1:30 pm **Length:** 160:00 **End -5m:** 4:05 pm **End:** 4:10 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): Holger Spill

Talk ID:

11426

90

Talk Title: Brainstorm your own Artificial Neural Network in Python

5 min pre: 10:35 am **Talk Start:** 10:40 am **Length:** 40:00 **End -5m:** 11:15 am **End:** 11:20 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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- [] 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): Tim McNamara

Talk ID:

11432

92

Talk Title: Making sense of setup.py

5 min pre: 11:25 am **Talk Start:** 11:30 am **Length:** 40:00 **End -5m:** 12:05 pm **End:** 12:10 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): Yuriy AckermannTalk ID:
11436
94**Talk Title:** Universal Second Factor authentication, or why 2FA today is wubalubadubdub?**5 min pre:** 1:05 pm **Talk Start:** 1:10 pm **Length:** 40:00 **End -5m:** 1:45 pm **End:** 1:50 pm

- [] Have a water bottle for ready for the presenter
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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): Krupesh DesaiTalk ID:
11445
96**Talk Title:** PygData : Python in BigData**5 min pre:** 1:55 pm **Talk Start:** 2:00 pm **Length:** 40:00 **End -5m:** 2:35 pm **End:** 2:40 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): Graham Dumpleton

Talk ID:
11453
98

Talk Title: Warpdrive, making Python web application deployment magically easy.

5 min pre: 3:05 pm **Talk Start:** 3:10 pm **Length:** 40:00 **End -5m:** 3:45 pm **End:** 3:50 pm

- [] Have a water bottle for ready for the presenter
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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): Markus HoltermannTalk ID:
11427**Talk Title:** SSL all the things

91

5 min pre: 10:35 am **Talk Start:** 10:40 am **Length:** 40:00 **End -5m:** 11:15 am **End:** 11:20 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
 - [] 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): Katie McLaughlinTalk ID:
11433**Talk Title:** The Power ■■ and Responsibility ■ of Unicode Adoption ■

93

5 min pre: 11:25 am **Talk Start:** 11:30 am **Length:** 40:00 **End -5m:** 12:05 pm **End:** 12:10 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): Ben ShawTalk ID:
11439
95**Talk Title:** Middle-Out Python Development**5 min pre:** 1:05 pm **Talk Start:** 1:10 pm **Length:** 40:00 **End -5m:** 1:45 pm **End:** 1:50 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): Steve BakerTalk ID:
11446
97**Talk Title:** Making randomly generated guitar effect patches that don't sound terrible**5 min pre:** 1:55 pm **Talk Start:** 2:00 pm **Length:** 40:00 **End -5m:** 2:35 pm **End:** 2:40 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): Grant Paton-Simpson

Talk ID:
11450

Talk Title: Practical Python Async for Dummies

99

5 min pre: 3:05 pm **Talk Start:** 3:10 pm **Length:** 40:00 **End -5m:** 3:45 pm **End:** 3:50 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): Janet TolandTalk ID:
11422**Talk Title:** Ethics in the early days: politics and the computing profession

83

5 min pre: 8:55 am **Talk Start:** 9:00 am **Length:** 70:00 **End -5m:** 10:05 am **End:** 10:10 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
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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): Bayard RandelTalk ID:
11428**Talk Title:** Workshop - Young Coders - Educators

84

5 min pre: 10:35 am **Talk Start:** 10:40 am **Length:** 90:00 **End -5m:** 12:05 pm **End:** 12:10 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): Paul CampbellTalk ID:
11438
85**Talk Title:** Hardware Hacking with Python for Beginners**5 min pre:** 1:05 pm **Talk Start:** 1:10 pm **Length:** 160:00 **End -5m:** 3:45 pm **End:** 3:50 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): Lilly RyanTalk ID:
11456
119**Talk Title:** Scientific Hooliganism - what we can learn from the first hack in history**5 min pre:** 5:15 pm **Talk Start:** 5:20 pm **Length:** 40:00 **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
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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): Alex Dong

Talk ID:
11429
103

Talk Title: Digital image processing - From atom to pixel and back

5 min pre: 10:35 am **Talk Start:** 10:40 am **Length:** 40:00 **End -5m:** 11:15 am **End:** 11:20 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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- [] 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): Jeremy Stott

Talk ID:
11440
109

Talk Title: Bluetooth Low Energy

5 min pre: 1:05 pm **Talk Start:** 1:10 pm **Length:** 40:00 **End -5m:** 1:45 pm **End:** 1:50 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): Nathan TallackTalk ID:
11447
111**Talk Title:** How Python is Powering Software Defined Networking**5 min pre:** 1:55 pm **Talk Start:** 2:00 pm **Length:** 40:00 **End -5m:** 2:35 pm **End:** 2:40 pm

- [] Have a water bottle for ready for the presenter
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Presenter(s): Ben SturmfelsTalk ID:
11451
114**Talk Title:** Preventing Cat-astrophes with GNU MediaGoblin**5 min pre:** 3:05 pm **Talk Start:** 3:10 pm **Length:** 40:00 **End -5m:** 3:45 pm **End:** 3:50 pm

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

Presenter(s): Jack Skinner

Talk ID:
11425
104

Talk Title: Making the web go fast with jelly snakes and raspberry twizzlers

5 min pre: 10:35 am **Talk Start:** 10:40 am **Length:** 40:00 **End -5m:** 11:15 am **End:** 11:20 am

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

Presenter(s): Christopher Neugebauer

Talk ID:
11437
110

Talk Title: Deciding between continuity and change in your Open Source communitiy

5 min pre: 1:05 pm **Talk Start:** 1:10 pm **Length:** 40:00 **End -5m:** 1:45 pm **End:** 1:50 pm

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

Presenter(s): Dana GarifullinaTalk ID:
11444**Talk Title:** Golang for Python Devs

112

5 min pre: 1:55 pm **Talk Start:** 2:00 pm **Length:** 40:00 **End -5m:** 2:35 pm **End:** 2:40 pm

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

Presenter(s): Tom EastmanTalk ID:
11452**Talk Title:** The dangerous, exquisite art of safely handling user-uploaded files

115

5 min pre: 3:05 pm **Talk Start:** 3:10 pm **Length:** 40:00 **End -5m:** 3:45 pm **End:** 3:50 pm

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

Presenter(s): Barry Warsaw

Talk ID:

11423

Talk Title: Tai Chi Principles for Mindful Programmers

101

5 min pre: 8:55 am **Talk Start:** 9:00 am **Length:** 70:00 **End -5m:** 10:05 am **End:** 10:10 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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