

## **Session Program**

**17-18 Sept 2018**

# **AI at CERN and SKA**

## ***Day 1***

Alan Turing Institute, London  
96 Euston Rd, Kings Cross, London NW1 2DB, UK

# Monday 17 September

10:00

## Day 1: Infrastructure for ML

### Session

10:00–10:05 **opening words**

#### Speaker

Dr Braam Peter

10:05–10:35 **Partnering with industry for machine learning at HL-LHC**

#### Speaker

Dr Maria Girone

10:35–11:05 **Emerging Use of DNNs**

#### Speaker

Mr Stephen Pawlowski

11:05–11:35 **Learning Deep Generative Models of Graphs**

#### Speaker

Dr Yujia Li

11:35–11:50 **Coffee Break**

11:50–13:00 **Infrastructure for ML panel**

13:00

14:00

## Day 1: ML for HEP

### Session

14:00–14:30 **Deep Learning for Science: Opening the Pandora Box**

#### Speaker

Dr Shirley Ho

14:30–15:00

**Two computing challenges for particle physics : the tracking challenge and event simulation with Generative Adversarial Networks**

#### Speaker

Dr David Rousseau

15:00–15:15 **Coffee Break**

15:15–15:45

**Too much of a good thing : how to drink new physics from a 40 Tb/s firehose**

#### Speaker

Dr Vladimir "Vava" Gligorov

15:45–16:15 **Deep Learning for the future of the Large Hadron Collider**

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| 18:00 | <b>Speaker</b><br>Dr Maurizio Pierini        |
|       | 16:15-16:45 <b>Coffee Break</b>              |
|       | 16:45-18:00 <b>Panel: ML Specific to HEP</b> |