

# **ScotDIST annual research conference 2018**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

## **Industry talk: Digital Systems Engineering + questions**

*Wednesday 1 August 2018 12:00 (30 minutes)*

**Presenter:** Dr BELL, William (Frazer Nash Consultancy)

Contribution ID: 4

Type: **not specified**

## **Industry talk: Interest Rate Modelling + questions**

*Wednesday 1 August 2018 14:30 (30 minutes)*

**Presenter:** Dr TADROWSKI, Andrew (Moody's Analytics)

Contribution ID: 5

Type: **not specified**

## Discussion on "Is AI just a black box?"

*Wednesday 1 August 2018 16:15 (45 minutes)*

Contribution ID: 7

Type: **not specified**

## **Globular Clusters and Dwarf Galaxies**

*Wednesday 1 August 2018 11:00 (12 minutes)*

**Presenter:** BEHRENDT, David (University of Edinburgh)

**Session Classification:** Studentship presentations

Contribution ID: 8

Type: **not specified**

## Search for doubly charmed baryon $\Xi_{cc}^+$ in LHCb

*Wednesday 1 August 2018 11:12 (12 minutes)*

**Presenter:** BOBULSKA, Dana (University of Glasgow)

**Session Classification:** Studentship presentations

Contribution ID: 9

Type: **not specified**

## Solar Flare Signatures

*Wednesday 1 August 2018 11:24 (12 minutes)*

**Presenter:** LOVE, Teri (University of St Andrews)

**Session Classification:** Studentship presentations

Contribution ID: **10**

Type: **not specified**

## **Measures of Chaos in Homogeneous Isotopic Turbulence**

*Wednesday 1 August 2018 11:36 (12 minutes)*

**Presenter:** CLARK, Daniel (University of Edinburgh)

**Session Classification:** Studentship presentations

Contribution ID: 11

Type: **not specified**

## **Optimal strategies for detecting and classifying kilonovae as the EM counterpart of gravitational wave transient sources**

*Wednesday 1 August 2018 11:48 (12 minutes)*

**Presenter:** DATRIER, Laurence (University of Glasgow)

**Session Classification:** Studentship presentations

Contribution ID: 12

Type: **not specified**

## High Level Trigger Monitoring for the LHCb Experiment

*Wednesday 1 August 2018 13:30 (12 minutes)*

**Presenter:** PETRUCCI, Stefano (University of Edinburgh)

**Session Classification:** Studentship presentations

Contribution ID: 13

Type: **not specified**

## **Learning to correct for atmospheric seeing in solar flare observations**

*Wednesday 1 August 2018 13:42 (12 minutes)*

**Presenter:** ARMSTRONG, John (University of Glasgow)

**Session Classification:** Studentship presentations

Contribution ID: 14

Type: **not specified**

## **Bayesian approaches to modelling microlensing events**

*Wednesday 1 August 2018 13:54 (12 minutes)*

**Presenter:** BARTOLIC, Fran (University of St Andrews)

**Session Classification:** Studentship presentations

Contribution ID: 15

Type: **not specified**

## **Generative Adversarial Networks for LIGO Parameter Estimation**

*Wednesday 1 August 2018 14:06 (12 minutes)*

**Presenter:** GABBARD, Hunter (University of Glasgow)

**Session Classification:** Studentship presentations

Contribution ID: **16**

Type: **not specified**

## Data Analysis in Hadron Physics

*Wednesday 1 August 2018 14:18 (12 minutes)*

**Presenter:** THORNTON, Adam (University of Edinburgh)

**Session Classification:** Studentship presentations

Contribution ID: 17

Type: **not specified**

## **Investigating the Distribution of Magnetic Features on the Solar Photosphere**

*Wednesday 1 August 2018 15:30 (12 minutes)*

**Presenter:** NOBLE, Callan (University of St Andrews)

**Session Classification:** Studentship presentations

Contribution ID: **18**

Type: **not specified**

## **Constraining New Physics Using Top Quark Effective Field Theory**

*Wednesday 1 August 2018 15:42 (12 minutes)*

**Presenter:** BROWN, Stephen (University of Glasgow)

**Session Classification:** Studentship presentations

Contribution ID: **19**

Type: **not specified**

## **Taranis: GPU-Accelerated Radiation Hydrodynamics Simulations**

*Wednesday 1 August 2018 15:54 (12 minutes)*

**Presenter:** DI PIETRO, Gennaro (University of Edinburgh)

**Session Classification:** Studentship presentations

Contribution ID: 20

Type: **not specified**

## Applying machine learning to the LSST event stream

*Wednesday 1 August 2018 16:06 (12 minutes)*

**Presenter:** IBSEN, Amanda (University of Edinburgh)

**Session Classification:** Studentship presentations