

## **Monday 27 November**

13:30

### **SMARTHEP Annual Meeting: ESR Presentations**

Session | Location: Astronomihuset, Lundmarksalen | Convener: Caterina Doglioni

13:30-14:00 SMARTHEP introductions and progress, meeting logistics

### **Speakers**

Alice Ohlson, Andrew Carey, Caterina Doglioni, Oxana Smirnova

14:00-14:15

**ESR1:** Machine learning and Real-Time Analysis for Higgs boson measurements and fleet safety

**Speakers** 

Henning Kirschenmann, Patin Inkaew

14:20-14:35 ESR2: Real-time rule induction in fraud detection and HEP

**Speakers** 

Bogdan Malaescu, Laura Boggia

14:40-14:55

ESR3: Real time analysis strategies for reconstruction, exotic physics, and market analysis

**Speakers** 

Anna Sfyrla, Leon Bozianu

15:00

15:30

### **SMARTHEP Annual Meeting: ESR Presentations**

**Session** | **Location:** Astronomihuset, Lundmarksalen

15:30-15:45 ESR4: Efficient RTA in ATLAS and finance using multithreading

Speakers

Brian Petersen, Sofia Cella

15:50-16:05

ESR5: RTA on heterogeneous architectures for LHC and self-driving cars

**Speakers** 

Fotis Giasemis, Vladimir Gligorov

16:10-16:25

ESR6: Optimization of RTA resources for LHCb Lepton Flavour Violation search and manufacturing

Speakers

Daniel Magdalinski, Gerhard Raven

16:30-16:45

ESR10: Real-time calibration of ALICE Time Projection Chamber and ML traffic predictions

**Speakers** 

Alice Ohlson, Joachim Hansen

17:00

## **Tuesday 28 November**

09:00

## **SMARTHEP Annual Meeting: ESR Presentations**

Session | Location: Astronomihuset, Andromeda

09:00-09:15

ESR7: Machine Learning for Real Time Analysis of Lepton Flavour Violation in neutral meson decays and traffic predictions

### Speakers

Mr Jamie Gooding, Johannes Albrecht

09:20-09:35

ESR8: Real Time Analysis for global event triggering in LHCb and manufacturing

### **Speakers**

Johannes Albrecht, Micol Olocco

09:40-09:55

ESR9: Real-time analysis for Dark Photons search in LHCb and smart vehicles

Carlos Eduardo Cocha Toapaxi, Martino Borsato, Stephanie Hansmann-Menzemer

10:00-10:15

ESR11: Real-Time Analysis through computer vision on dashcams and triggers in High Energy Physics, Verizon Connect in Florence and University of Bologna

### **Speakers**

Francesco Sambo, Henrique Pineiro de Monteagudo, Henrique Piñeiro Monteagudo, Samuele Salti

10:20-10:35 ESR12: Accelerated anomaly detection

**Speakers** 

Caterina Doglioni, Jiri Masik, Pratik Jawahar

10:35 11:05

## SMARTHEP Annual Meeting: Advisory Board feedback and PI Q&A session for ESRs

Session | Location: Astronomihuset, Andromeda

11:05-12:05 Session for feedback to ESRs

12:05-12:25 **Q&A from ESRs** 

12:30

13:30

## SMARTHEP Annual Meeting: Discussion on network-edited whitepapers

Session | Location: Astronomihuset, Lundmarksalen

13:30-13:50 Round table on status of whitepapers

### **Speakers**

Caterina Doglioni, Jamie Gooding, Johannes Albrecht, Martino Borsato, Maurizio Pierini, Nicolas Sauterey, Steven Schramm, Vladimir Gligorov

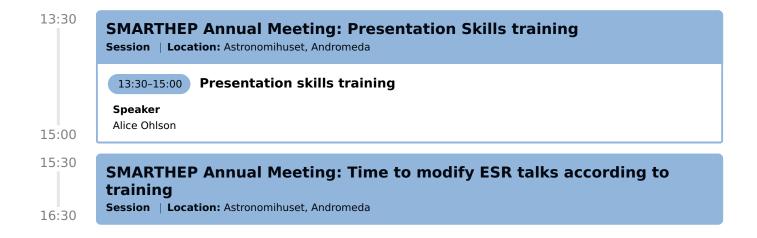
13:50-14:10 Discussion on publication venues

	Speaker Caterina Doglioni
14:50	14:10-14:30 Co-writing / co-editing: whitepapers and whitepaper emails
16:15 17:15	SMARTHEP Annual Meeting: Discussion on ML ethics, reproducibility and challenges Session   Location: Astronomihuset, Lundmarksalen
17:15	SMARTHEP Annual Meeting: Secondment discussions Session   Location: Astronomihuset, Lundmarksalen
18:15	17:15-18:15 Open discussion session (secondments and more)

## **Wednesday 29 November**

09:00 **SMARTHEP Annual Meeting: Network Assembly Session** | **Location:** Astronomihuset, Lundmarksalen 09:00-09:15 Network assembly: intro and voting matters Speaker Caterina Doglioni Location Astronomihuset, Lundmarksalen 09:15-10:00 Planning for upcoming schools and deliverables **Speakers** Anna Sfyrla, Caterina Doglioni, Johannes Albrecht, Maurizio Pierini, Steven Schramm, Vladimir Gligorov Astronomihuset, Lundmarksalen 09:15-10:00 ESR (self-)assembly and representation Location Astronomihuset, Andromeda 10:00-10:15 Open discussion between ESRs, supervisors and advisory board **Speakers** Andrew Carey, Caterina Doglioni Location Astronomihuset, Lundmarksalen 10:15-10:30 **AOB** Location Astronomihuset, Lundmarksalen 10:30 10:30 SMARTHEP Annual Meeting: Excursions to MAX IV and ESS Session | Location: Lund University, See logistics and accommodation for details 16:30 16:30 **SMARTHEP Annual Meeting: Periodic report finalization** Session | Location: Fysicum, H422 | Conveners: Caterina Doglioni, Andrew Carey 16:30-17:30 Time to edit common document(s) or get feedback 18:00

# **Thursday 30 November**



# Friday 1 December

SMARTHEP Annual Meeting: Closing
14:00

Session | Location: Astronomihuset, Lundmarksalen