

Session Program

4-8 Nov 2019



24th International Conference on Computing in High Energy & Nuclear Physics

Plenary

Adelaide Convention Centre
Adelaide, Australia

Monday 4 November

09:00

Plenary: Welcome / DUNE / Belle II

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** Simone Campana

09:00–09:30 **Welcome**

09:30–10:00 **Collaborative computing needs for DUNE**

Speaker

Heidi Marie Schellman

10:00–10:30 **Belle II**

Speaker

David Dossett

10:30

16:00

Plenary: Computational astrophysics / Diversity

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** James Zanotti

16:00–16:30 **Square Kilometer Array computing - from SDP to SRC**

Speaker

Minh Huynh

16:30–17:00

Evaluating Rucio outside ATLAS: Common experiences from Belle II, CMS, DUNE, SKA, and LIGO

Speaker

Mario Lassnig

17:00–17:30 **Alert systems, from astrophysics experiments to telescopes**

Speaker

Mansi Kasliwal

17:30–18:00 **Diversity & Inclusivity**

Speaker

Lyn Beazley

18:00–18:10 **Diversity & Inclusivity at CHEP 2019**

Speaker

Waseem Kamleh

18:10

Tuesday 5 November

09:00

Plenary: Real-time computing / Future strategy

Session | Location: Adelaide Convention Centre, Hall G | Convener: Xiaomei Zhang

09:00-09:30

Real-time data analysis model at the LHC and connections to other experiments / fields

Speaker

Arantza De Oyanguren Campos

09:30-10:00

ALICE continuous readout and data reduction strategy for Run3

Speaker

Ruben Shahoyan

10:00-10:30

Future of software and computing in the scope of the European Strategy for Particle Physics

Speaker

Xinchou Lou

10:30

Wednesday 6 November

09:00

Plenary: Accelerated computing

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** Caterina Doglioni

09:00-09:30

Meeting the challenge of JUNO simulation with Opticks GPU Optical Photon Acceleration

Speaker
Simon Blyth

09:30-10:00

Physics performance and event throughput of the GPU High Level Trigger 1 of LHCb

Speaker
Dorothea Vom Bruch

10:00-10:30

HPC+AI: Accelerating scientific computing for the Exascale era

Speaker
Jeff Adie

10:30

10:50

Plenary: HPC / Cloud computing

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** Paul Douglas Jackson

10:50-11:20

HPC systems in the next decade - what to expect, when, where

Speaker
Dirk Pleiter

11:20-11:50

Reperforming a Nobel Prize discovery on Kubernetes

Speakers
Lukas Alexander Heinrich, Ricardo Brito Da Rocha

11:50

Thursday 7 November

09:00

Plenary: Quantum computing / Security / Gravitational wave astrophysics

Session | Location: Adelaide Convention Centre, Hall G | Convener: Patrick Fuhrmann

09:00–09:30 **Quantum computing and information**

Speaker
Lloyd Hollenberg

09:30–10:00 **Tackling modern cyberthreats together is the only way forward**

Speaker
Romain Wartel

10:00–10:30 **Gravitational wave astrophysics computing**

Speaker
Paul Lasky

10:30

16:30

Plenary: Molecular sciences / Analysis models / Diversity panel

Session | Location: Adelaide Convention Centre, Hall G | Convener: Lucia Silvestris

16:30–17:00 **Challenges and opportunities for the Computational Molecular Sciences**

Speaker
Daniel Crawford

17:00–17:30 **The evolution of analysis models for HL-LHC**

Speaker
Andrea Rizzi

17:30–18:20 **Diversity & inclusivity discussion panel**

Speakers
Gordon Watts, Maria Girone

18:20

Friday 8 November

08:55

Plenary: Track highlights

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** Graeme A Stewart

08:55–09:00 Introduction to the Track Highlights

Speaker
Graeme A Stewart

09:00–09:15 Track 1 Highlights - Online and Real-time Computing

Speaker
Steven Schramm

09:15–09:30 Track 2 Highlights - Offline Computing

Speaker
Paul James Laycock

09:30–09:45 Track 3 Highlights - Middleware and Distributed Computing

Speaker
Tomoe Kishimoto

09:45–10:00 Track 4 Highlights - Data Organisation, Management and Access

Speakers
Tigran Mkrtchyan, Tigran Mkrtchyan

10:00–10:15 Track 5 Highlights - Software Development

Speaker
Martin Ritter

10:15–10:30 Track 6 Highlights - Physics Analysis

Speaker
Phiala Shanahan

10:30

11:00

Plenary: Track highlights / Closing

Session | **Location:** Adelaide Convention Centre, Hall G | **Convener:** Waseem Kamleh

11:00–11:15 Track 7 Highlights - Facilities, Clouds and Containers

Speaker
Christoph Wissing

11:15–11:30 Track 8 Highlights - Collaboration, Education, Training and Outreach

Speaker
Marzena Lapka

11:30–11:45 Track 9 Highlights - Exascale Science

Speaker
Wei Yang

11:45-11:55

Track X Highlights - Crossover sessions from online, offline and exascale

Speaker

Teng Jian Khoo

11:55-12:15

CHEP 2021

Speaker

Amber Boehnlein

12:15-12:30

Closing

Speaker

Dr Waseem Kamleh

12:30