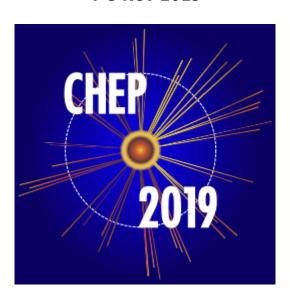**Session Program**

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

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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

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

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

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

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   6

Amber Boehnlein

12:15–12:30   **Closing**

Speaker

Dr Waseem Kamleh

12:30