



# ACAT 2017

## Monday, August 21, 2017

### Plenary: Registration - The Commons (7:45 AM - 8:45 AM)

-Conveners: Gordon Watts

### Plenary: Opening - Auditorium (8:45 AM - 9:15 AM)

-Conveners: Gordon Watts

time	[id] title	presenter
8:45 AM	[240] Welcome To ACAT 20171	WATTS, Gordon

### Plenary: Plenary Session - Auditorium (9:15 AM - 9:45 AM)

-Conveners: Denis Perret-Gallix

time	[id] title	presenter
9:15 AM	[192] New developments in FORM	UEDA, Takahiro

### Plenary: Plenary Session - Auditorium (11:00 AM - 1:00 PM)

-Conveners: Toby Burnett

time	[id] title	presenter
11:00 AM	[194] Deep Learning usage by large experiments	Dr NACHMAN, Ben
11:30 AM	[195] ML in theoretical physics: from PDFs to MC tools	CARRAZZA, Stefano
12:00 PM	[197] Meta: Toward generative C++	SUTTER, Herb
12:30 PM	[213] Track reconstruction algorithms in high pile up environments	GRAY, Heather

# Tuesday, August 22, 2017

## **Plenary: Plenary Session - Auditorium (9:00 AM - 10:30 AM)**

-Conveners: Niko Neufeld

time	[id] title	presenter
9:00 AM	[198] New results on the g-2 calculation	Dr LAPORTA, Stefano
9:30 AM	[200] Generative models for fast simulation	VALLECORSA, Sofia
10:00 AM	[201] Physics and Computing Challenges in Lattice QCD	KRONFELD, Andreas

## **Plenary: Plenary Session - Auditorium (11:00 AM - 12:30 PM)**

-Conveners: Daniel Maitre

time	[id] title	presenter
11:00 AM	[203] Development and optimization of the MCFM generator	GIELE, Walter
11:30 AM	[207] Games and loop integrals	RUIJL, Ben
12:00 PM	[205] Deep Learning on the Intel Nervana platform	Dr PANCHUMARTHY, Ravi

# Wednesday, August 23, 2017

## **Plenary: Plenary Session - Auditorium (8:45 AM - 10:30 AM)**

-Conveners: Sergei Gleyzer

time	[id] title	presenter
8:45 AM	[239] Welcome from the Department of Physics Chair	Prof. HECKEL, Blayne
9:00 AM	[196] Statistics, Data Mining, and Machine Learning in Astronomy	Prof. VANDERPLAS, Jacob
9:30 AM	[193] Deep Learning and Particle Physics	CRANMER, Kyle Stuart
10:00 AM	[211] Deep Learning in Particle physics	WHITESON, Daniel

## **Plenary: Plenary Session - Auditorium (11:00 AM - 12:30 PM)**

-Conveners: Maria Gironi

time	[id] title	presenter
11:00 AM	[206] D-wave Quantum Computing	Dr WILLIAMS, Colin
11:30 AM	[220] Machine Learning at NVIDIA	Mr GIBBS, Tom Dr GIBBS, Tom
12:00 PM	[199] FPGA Datacenters -- The New Supercomputer	Dr PUTNAM, Andrew

# Thursday, August 24, 2017

## **Plenary: Plenary Session - Auditorium (9:00 AM - 10:30 AM)**

**-Conveners: Pushpalatha Bhat**

time	[id] title	presenter
9:00 AM	[209] Machine Learning in HEP	GLEYZER, Sergei
9:30 AM	[210] Round Table on Machine Learning	BHAT, Pushpalatha

## **Plenary: Plenary Session - Auditorium (11:00 AM - 12:30 PM)**

**-Conveners: David Britton**

time	[id] title	presenter
11:00 AM	[202] HEP Software Development in the next decade; the views of the HSF community	SEXTON-KENNEDY, Elizabeth
11:30 AM	[212] Data, Software, and Knowledge Preservation of Scientific Results	HILDRETH, Mike
12:00 PM	[204] HPC for HEP	BARD, Deborah

# Friday, August 25, 2017

## **Plenary: Plenary Session - Auditorium (9:00 AM - 10:30 AM)**

-Conveners: Maria Girone

time	[id] title	presenter
9:00 AM	[214] Why Cultural Diversity Matters: Becoming Culturally competent	Dr LANGFORD, George
9:30 AM	[215] Round Table on Diversity	LAURET, Jerome GIRONE, Maria

## **Plenary: Track Summaries and Conclusions - Auditorium (11:40 AM - 1:40 PM)**

-Conveners: Federico Carminati

time	[id] title	presenter
11:40 AM	[238] Software Citations	KATZ, Daniel S.
11:55 AM	[218] Summary of Track 3	FREITAS, Ayres
12:20 PM	[217] Summary of Track 2	GLEYZER, Sergei
12:45 PM	[216] Summary of Track 1	HSU, Shih-Chieh
1:10 PM	[219] Summary of the Conference	BHAT, Pushpalatha
1:30 PM	[236] Final remarks	WATTS, Gordon