

Session Program

10-14 Jul 2023

**A3D3 High-Throughput AI Methods and
Infrastructure Workshop**

***Research Subgroup AI Tools and
Developments Talks***

University of Washington
Seattle, USA

Sunday 9 July

09:00

Research Subgroup AI Tools and Developments Talks: Neuroscience

Session | **Location:** University of Washington, Seattle, USA | **Convener:** Elham E Khoda

09:00–09:25 Maria Makin Group (Purdue)

Speakers

Megan Hope Lipton, Seungbin Park

09:25–09:50 Amy Orsborn Group (UW)

Speakers

Lauren Peterson, Si Jia Li

09:50–10:15 Eli Shlizerman Group (UW)

Speaker

JINGYUAN LI

10:15

10:30

Research Subgroup AI Tools and Developments Talks: Multi-Messenger Astrophysics

Session | **Location:** Oak Hall Denny Room | **Convener:** Melissa Quinnan

10:30–10:55 Michael Coughlin Group (UMN)

Speaker

Brian Healy

10:55–11:20 Matthew Graham Group (Caltech)

Speaker

Prof. Matthew Graham

11:20–11:45 Erik Katsavounidis Group (MIT)

Speakers

Alec Gunny, Eric Anton Moreno, Ethan Marx

11:45–12:10 Kael Hanson Group (Wisconsin)

Speaker

Josh Peterson

12:10

13:30

Research Subgroup AI Tools and Developments Talks: High Energy Physics

Session | **Location:** Oak Hall Denny Room | **Convener:** Brian Healy

13:30–13:55 Philip Harris Group (MIT, CMS)

Speaker

William Patrick McCormack

13:55–14:20 Miaoyuan Liu Group (Purdue, CMS)

Speakers

Dmitry Kondratyev, Jan-Frederik Schulte, Miaoyuan Liu

14:20-14:45 Javier Duarte Group (UCSD, CMS)

Speakers

Daniel Diaz, Javier Mauricio Duarte, Melissa Quinnan, Russell Denilson Marroquin Solares

14:45-15:10 Shih-Chieh Hsu Group (UW, ATLAS)

Speaker

Elham E Khoda

15:10-15:35 Mark Neubauer Group (UIUC, ATLAS)

Speaker

Dewen Zhong

15:35-16:00 Kate Scholberg Group (Duke)

Speaker

Janina Hakenmüller

16:00

16:20

Research Subgroup AI Tools and Developments Talks: Hardware/Algorithm Codevelopment

Session | **Location:** Oak Hall Denny Room | **Convener:** Daniel Diaz

16:20-16:45 Scott Hauck Group (UW)

Speaker

Xiaohan Liu

16:45-17:10 Pan Li Group (Georgia Tech)

Speaker

Shikun Liu

17:10-17:35 Deming Chen Group (UIUC)

Speaker

Jialiang Zhang

17:35-18:00 Song Han Group (MIT)

Speaker

Dr Wei-Chen Wang

18:00