ExCALIBUR International Extreme Data Tutorials & Workshop
Paul Calleja, Shaun de Witt, Scott Klasky
Co-sponsored by Excalibur/DIRAC and ESCAPE
July 18 – 21 2023

Tuesday 18 July
USA Exascale Data Tutorial – I/O Tutorial
West 1 & 2, West Hub, JJ Thomson Ave, Cambridge CB3 0US

9:00   Arrival & coffee
9:30   Exascale I/O tutorial (Scott Klasky (ORNL))
11:00  Break
11:30  Shaun de Witt
12:30  Lunch
1:00   Hands-on ADIOS tutorial (Norbert Podhorszki (ORNL))
2:30   Break
4:00   Toby James
5:00   End

Wednesday 19 July
USA Exascale Data Tutorial – Visualisation Tutorial
West 1 & 2, West Hub, JJ Thomson Ave, Cambridge CB3 0US

9:00   Arrival & coffee
9:30   Exascale Visualization tutorial (Dave Pugmire (ORNL))
11:00  Break
11:30  Shaun de Witt
12:30  Lunch
1:00  Paraview tutorial (Part 2)

2.30  Break

4:00  Shaun de Witt

5:00  End

Thursday 20 July
Workshop – Part 1
The Møller Institute, Churchill College, Storey's Way, Cambridge CB3 0DE

9:00  Arrival & coffee
9:30  Welcome from Paul Calleja

Exascale Applications Overview (Shaun de Witt, moderator)

9:45  Rob Akers – Fusion
10:15 Jeremy Yates – SKA Exascale

10:45  Break

11:00 Hendrik Nolte – Weather/Climate Exascale
11:30 Panel – Application Data Requirements (Akers, Yates, Nolte)

12:30  Lunch

Excalibur Software Technologies (Paul Calleja, moderator)

1:30  Scott Klasky – Exascale Data Technologies (a view from ORNL)
2:00  Shaun de Witt – Data Management
2:30  Sanjay Ranka – Data Reduction

3:00  Break

3.15  Nitesh Bhatia – Visualization
3.45  Panel – Software Sustainability (Yates, Ranka, de Witt, Klasky, Nitesh)

4.45  End

7:00  Speakers’ Dinner
Friday 21 July  
Workshop – Part 1  
The Møller Institute, Churchill College, Storey’s Way, Cambridge CB3 0DE

9:00  **Arrival & coffee**  
9:30  Welcome from Rob Akers

**Applications Overviews (Shaun de Witt, moderator)**

9:45  Michael Churchill – Fusion  
10:15 Andreas Wicenec – SKA

10:45  **Break**

11:00  Alexei Klimentov – HEP  
11:30 Erick Fredj – Weather  
12:00 Rob Jacobs – Climate  
12:30 Panel – Application Data Requirements (Wicenec, Klimentov, Churchill, Fredj)

1:15  **Lunch**

**ECP Data Software Technologies (Paul Calleja, moderator)**

2:00  Ana Gainaru – Workflow Management Systems at Scale  
2:30 Dave Pugmire – Exascale Visualization Technologies  
3:00 Norbert Podhorszki – ADIOS 2 at Scale

3:30  **Break**

3:45  Jay Lofstead – Software Sustainability  
4:15 Panel – Exascale Software Technologies (Gainaru, Pugmire, Podhorszki, Lofstead)  
5:00 Wrap up (Calleja, de Witt, Klasky)

5:15  **End**