

Agenda for the 14th Annual OMEGA Laser Users Workshop, 26 – 28 April 2023

(U.S. Eastern Daylight Time)

Wednesday, 26 April 2023

7:30 – 8:30 Registration and Continental Breakfast ([UR alumni building next door](#))

8:30 – 8:40 Johan Frenje, MIT Workshop opening

8:40 – 9:00 Chris Deeney, LLE LLE Director welcome and remarks

Session Chair: Johan Frenje, MIT ([UR alumni building next door](#))

9:00 – 9:30 Kevin Jackman, NNSA NNSA high-level overview

9:30 – 10:00 Alex Zylstra, LLNL Achieving ignition and energy gain for the first time in a laboratory

10:00 – 10:30 Andrew Harrison, ELI Opportunities for Science at the Extreme Light Infrastructure (ELI)

10:30 – 10:45 Coffee break

Session Chair: Pia Valdivia, UCSD ([UR alumni building next door](#))

10:45 – 11:05 Kevin Jackman, NNSA NNSA's perspective

11:05 – 11:25 Kramer Akli, FES FES' perspective

11:25 – 11:45 Hannah Hasson/
Imani West-Abdalla Promoting BIPOC and Marginalized Students to Pursue
Computational Physics through CRANE

11:45 – 12:00 Workshop picture

12:00 – 13:45 Lunch, Omega and Omega-EP tours

13:45 – 15:45 **Poster Session 1 (at LLE)**

15:45 – 16:00 Coffee break

16:00 – 18:00 **Poster Session 2 (at LLE)**

Tutorial (Pizza will be served during the tutorial; at LLE Coliseum)

18:20 – 20:00 Petros Tzeferacos, UR/LLE FLASH: a multi-physics radiation-MHD simulation code for modeling
your laser-driven experiments

Thursday, 27 April 2023

7:30 – 8:30 Continental Breakfast

Session Chair: Katerina Falk, HZDR ([UR alumni building next door](#))

8:30 – 8:40 Pia Valdivia, USCD OLUG election results

8:40 – 9:05 Sam Morse, LLE OMEGA Facility Update and Progress on OLUG Recommendations

9:05 – 9:20 Mingsheng Wei, LLE The Omega Users' Programs

9:20 – 9:40 Carolyn Kuranz, UM The NSF ZEUS Laser Facility

9:40 – 10:00 Gilliss Dyer, Stanford The LCLS-MEC upgrade

10:00 – 12:00 **Poster Session 3 (UR alumni building next door)**
(Coffee will be served at 10am, during poster session)

12:00 – 13:30 Lunch

Session Chair: Heath LeFevre, UM ([UR alumni building next door](#))

13:30 – 14:30 Student and postdoc panel discussion and recommendations

Session Chairs: Sean Finnegan, LANL, and Alison Saunders, LLNL ([UR alumni building next door](#))

14:30 – 16:00 Discussions of Findings and Recommendations of the users

16:00 – 16:15 Coffee Break

16:15 – 18:00 Discussions of Findings and Recommendations of the Users

18:30 Banquet at Delmonico's Steakhouse

Friday, 28 April 2023

7:30 – 8:30 Continental Breakfast

Session Chair: Derek Schaeffer, UCLA ([UR alumni building next door](#))

8:30 – 10:00 LANL/LLNL/SNL/GA/PPPL/UR Careers and Opportunities in HED Science

LANL: Paul Keiter LLNL: Alison Saunders

SNL: Chad McCoy GA: Mario Manuel

PPPL: Lan Gao UR: Ryan Rygg

10:00 – 10:15 Coffee break

Session Chairs: Sean Finnegan, LANL, and Alison Saunders, LLNL ([UR alumni building next door](#))

10:15 – 11:30 Discussion of Findings and Recommendations with LLE management

Session Chair: Hans Rinderknecht, LLE ([UR alumni building next door](#))

11:30 – 12:00 Verena Geppert-Kleinrath, LANL Poster awards to students/postdocs
Hans Rinderknecht, LLE

12:00 – 13:00 Lunch

Session Chair: Louise Willingale, UM ([UR alumni building next door](#))

13:00 – 13:30 Maggie Huff, UR PhD thesis: Equation of state of shocked iron and Bridgmanite

13:30 – 14:00 Patrick Adrian, MIT PhD thesis: Studying particle and energy transport in HED plasmas

14:00 Workshop adjourns

Future Dates:

2023 APS-DPP OLUG satellite meeting, Denver, CO: 31 October 2023, Tuesday 17:30 – 19:00.

2024 OLUG Workshop: Wednesday - Friday, 24 - 26 April 2024.