**Committee on Opportunities in the Science, Applications, and Technology of**

**Intense Ultrafast Lasers**

**July 14-15, 2016**

Laboratory for Laser Energetics

250 East River Road

Rochester, New York 14623–1299

Seminar Room\*

\* Located at the East end of LLE, entrance with rounded glass front, NOT entrance with flag pole.

**Thursday, 14 July 2016**

**Open Session**

8:00 AM Assemble in hotel lobby

8:15 AM Depart from hotel via carpool

8:20 AM Arrival at LLE

8:20–9:00 AM *Breakfast*

9:00–9:30 AM Welcome and LLE Introduction (20 min Q&A) E. M. Campbell

NOTES: overview of LLE, mission and capabilities, partnership culture, agenda for visit

9:30–10:45 AM Ultra-High-Intensity Science and Technology (40 min Q&A total) P. Nilson

NOTES: Vision of science opportunities for high brightness lasers (focus on low rep-rate but include some potential average-power applications)

10:45–11:00 AM *Break*

11:00–11:30 AM OMEGA and OMEGA-EP Tour S. Morse

NOTES: Demonstrate LLE capabilities to design and operate "lasers of scale"

11:30 AM–12:00 PM Omega Laser Facility and User Group Overview (15 min Q&A) S. Morse

NOTES: 70% of Omega Laser Facility experiments are performed by users. OLUG was formed to represent users and will be described. User culture is unique in NNSA community.

12:00 PM–1:00 PM *Lunch*   
1:00–2:30 PM Ultra-High-Intensity Laser Technology (45 min Q&A) J. Bromage

NOTES: Laser science and technology challenges and roadmap to ultra-high-brightness lasers (include small info on Raman amp, too)

2:30–3:30 PM Tours of MTW and MTW-OPAL Lasers (30 min Q&A) J. Bromage/J. Zuegel

NOTES: Tour of a laser where development of short-pulse laser technologies is executed.

3:30–3:45 PM *Break*

3:45–4:45 PM LLE Response to Committee Charter (30 min Q&A) E. M Campbell

NOTES: Directly address specific questions on charter.

**Closed Session**

4:45–5:30 PM Committee discussion

5:45 PM Depart to restaurant by carpool

6:00 PM *Committee Dinner with Guests*

Phillips European Restaurant

26 Corporate Woods, Rochester, NY 14623

(585) 272-9910, [www.phillipseuropean.com](http://www.phillipseuropean.com)

**Friday, 15 July 2016**

**Open Session**

8:00 AM Assemble in hotel lobby

8:15 AM Depart from hotel via carpool

8:20 AM Arrival at LLE

8:20–9:00 AM Breakfast

9:00–10:00 AM Follow-up Questions by NAS Study Committee to LLE Staff (as needed)

**Closed Session**

10:30-11:00 AM *Break*

10:00 AM–12:00 PM Committee discussion

12:00–1:00 PM *Lunch*

1:00–3:00 PM Continued committee discussion

3:00 PM Adjourn

Expected Participants

COMMITTEE MEMBERS & STAFF:

Philip Bucksbaum

John Collier

Jackie Gish

Ernie Glover

Marshall Jones

Henry Kapteyn

Henry Ko

James Lancaster

David Lang

Andrew Lankford

Howard Milchberg

Peter Moulton

Linda Walker

**ADDITIONAL MEETING DETAILS**

**HOTEL**

Courtyard Rochester Brighton

33 Corporate Woods

Rochester, NY 14623

**LABORATORY FOR LASER ENERGETICS**

250 E. River Road

Rochester, NY 14623

**COMMITTEE DINNER**

Phillips European Restaurant

26 Corporate Woods

Rochester, NY 14623