Participants

Azhad Chowdhury, Purdue University chowdhua@purdue.edu

Evelien De Meulenaere, Katholieke Universiteit Leuven evelien.demeulenaere@biw.kuleuven.be

Chris Dettmar, Purdue University <u>cmdettmar@gmail.com</u>

Emma Dewalt, Purdue University edewalt@purdue.edu

Yuanxi Fu, University of Illinois <u>fu5@illinois.edu</u>

Natalia Garcia Rey, University of Illinois ngarciar@illinois.edu

Jia-Jung Ho, University of Madison-Wisconsin jho@chem.wisc.edu

Matthew Kole, Beckman Institute, University of Illinois kole2@illinois.edu

Patrick Kearns, University of Minnesota Kearn099@umn.edu

Ryan Muir, Purdue University <u>rmuir@purdue.edu</u>

Justin Newman, Purdue University <u>newman21@purdue.edu</u>

Nicholas Pogranichniy, Purdue University npograni@purdue.edu

Steve Roberts, Altos Photonics steve@altosphotonics.com

Nicole Scarborough, Purdue University nscarbor@purdue.edu

Paul Schmitt, Purdue University schmitp@purdue.edu

Mona Shrestha, Northwestern University

 $\underline{monashrestha2015@u.northwestern.edu}$

Greg Snyder, Purdue University snyder68@purdue.edu

Zahra Sohabpour, University of Minnesota sohra004@umn.edu

Shane Sullivan, Purdue University ShaneZSullivan@purdue.edu

Scott Toth, Purdue University toth1@purdue.edu

Julianne Troiano, Northwestern University juliannetroiano2016@u.northwestern.edu

Aashish Tuladhar, Temple University aashish.tuladhar@temple.edu

Brian Van Hoozen, Cornell University <u>blv23@cornell.edu</u>

Heather Vanselous, Cornell University <u>hv64@cornell.edu</u>

Ximeng You, Purdue University you11@purdue.edu

Shijie Zhang, Purdue University shijiezhang@purdue.edu

Garth Simpson, Purdue University <u>gsimpson@purdue.edu</u>

Hongfei Wang, Pacific Northwest National Laboratory Hongfei.Wang@pnnl.gov

Alexei Lagutchev, Purdue University lagutch@purdue.edu

Eight Annual Chautauqua on Nonlinear Optics



West Lafayette IN June 24 – 28, 2013



Program of Events:

Monday, June 24:

9:00 – Coffee, bagels, introductions in Wetherill 201. Assign working groups.

9:30 - Participant Presentations.

10:00 – Spectral resolution, lineshape, structural phase and coherent vibrational dynamics in SFG-VS (Hongfei Wang) 12:00 – Lunch (problem set questions).

2:00 – Participant Presentations.

2:30 – Review problem set questions

3:00 – Polarization and symmetry on spectral assignment and orientation analysis in SFG-VS (Hongfei Wang)

4:30 – Working Dinner: Break up into groups and start working on problems.

Tuesday, June 25:

- 9:00 Review problem set questions.
- 9:30 Participant Presentations.

10:30 - Examples of quantitative SFG-VS in fundamental and

applied problems (Hongfei Wang)

11:00 – Panel on the future of NLO

12:00 – Working Lunch (problem set questions).

1:30 – Review problem set questions.

2:00 - Molecular basis of optical nonlinearity (Garth)

3:00 – Working Dinner (problem set questions).

Wednesday, June 26:

9:00 - Review problem set questions.

9:30 – Coordinate transformations of vectors, matrices, and tensors (Garth)

10:30 - Participant Presentations Round 3.

11:30 – Working Lunch (problem set questions).

2:30 – Review problem set questions.

- 3:00 Matrix-based polarization analysis methods (Garth)
- 4:00 Working Dinner (problem set questions).

Thursday, June 27:

- 9:00 Review problem set questions.
- 9:30 Collecting precious SFG photons (Alexei Lagutchev)
- 10:30 Working Lunch (problem set questions).

2:30 – Review problem set questions.

- 3:00 Chirality and NLO (Garth)
- 4:00 Working Dinner (problem set questions).

Friday, June 28:

- 9:00 Review problem set questions.
- 9:30 Fresnel Factors (Garth)
- 10:30 Simpson Group Laboratory Tour

12:00 – Pizza, refreshments, homebrew, and reminiscing of fond Chautauqua memories (to be held at the Simpson Family Residence 108 Tecumseh Park Place, West Lafayette, 765-497-3370).

3:00 – Program concludes.