



OLORADO PHOTONICS

INDUSTRY ASSOCIATION

2023 University Meeting

WELCOME

October 19, 2023

Organizing Committee



Tanya Ramond



Autumn Gullatt



Amanda Meier



Rex Craig



Sam Gilinsky



Kevin Keilbach



Paul Searcy

Thank you!



AGENDA

2:30 - Registration and Networking

3:00 - CPIA Welcome, Update and Board Voting Results

3:15 - Speaker Panel: Photonics at our Colorado Universities

4:30 - Student Poster Contest (*Appetizers and cake served*)

5:45 - Student Poster Winners Announced





OLORADO PHOTONICS

INDUSTRY ASSOCIATION

Thank you to our sponsors!

Platinum



COLORADO

Office of Economic Development
& International Trade

Gold



Silver



nextcorps

CPIA Board

Coordinator: Autumn Gullatt



Welcome
Autumn!

Executive Committee

Damon Lenski, President
Rex Craig, Vice President
Amanda Meier, Secretary
Gary Horvath, Treasurer

Sterling Backus
Gordon Day
Tu Du
Kortny Rolston-Duce
Sam Gilinsky
Rama Haris
Callie Higgins

Shu Wei Huang
Kevin Keilbach
Rick Morrison
Betsy Pruett
Tanya Ramond
Paul Searcy
Curtis Vock

CPIA Membership

New Members Students

- Wesley Brand
- Bryan Kelly
- Garrison Linn
- Holly Barrett

Companies:

- ION Sources
- Nanoplus America, Inc
- Orion Space Solutions
- Photodigm

CPIA Board Elections 2023

Renewing members

- Rex Craig
- Gary Horvath
- Curtis Vock
- Gordon Day
- Paul Searcy
- Sam Gilinsky



Job Openings

Company	Open Position	Link
Thorlabs	Senior Technical Marketer, New Product, Colorado	https://www.thorlabs.com/careers/job/5327999
ARO	Thin Film Coating Technician	https://arocorp.com/company/careers/
ARO	Experienced Fab Tech/Optical Polisher	https://arocorp.com/company/careers/
ARO	Senior Sales Engineer	https://arocorp.com/company/careers/
ARO	Manufacturing Engineer	https://arocorp.com/company/careers/
OEDIT	Program Analyst - Business Funding & Incentives and the Colorado Office of Film, Television & Media	https://www.governmentjobs.com/careers/colorado?keywords=oedit
NextCorps	Luminate Operations Manager	https://nextcorps.org/careers/
NextCorps	Startup Community Coordinator	https://nextcorps.org/careers/
Hamamatsu	NO COLORADO JOBS	https://secure3.entertimeonline.com/ta/PPC4536.careers?CareersSearch



CPIA Database: Growth Zone

The Info Hub. This is a dedicated member center that enables you to access key information about your organization and actively engage with CPIA. The Hub allows you to search the directory of other members to support networking opportunities, to see upcoming events, to submit events that you would like featured, to post open positions, to view or pay your membership dues or see billing related information, and so much more.

It's one more way that CPIA is working toward a more empowered membership and a more connected Colorado

You can easily create and access your account from our website at <https://members.coloradophotonics.org/MIC/login>

If you have any questions or would like additional instruction, please reach out to Autumn at Autumn@coloradophotonics.org

Front Range Community College

FRCC Optics Technology Program

- \$1.5 million in equipment for optics and laser fabrication and metrology
- Program Growth: now offering a 1 semester certificate, 2 semester certificate, and 4 semester AAS Degree
- Students are looking for internship and apprenticeship opportunities
- Need Advanced Fabrication Instructor for Spring 2024
- Please consider donating to the Colorado Photonics Technician Scholarship: bit.ly/CPIAF
- Course registration for Spring 2024 opens in November
- For more information, please contact Amanda Meier at Amanda.Meier@fronrange.edu



Spring 2023 Schedule

- OTE1030 Metrology of Optical Systems, Tuesdays at 3pm
- OTE1002 Intro to Manufacturing Technologies, Mondays & Wednesdays at 6pm
- OTE2005 Advanced Fabrication of Precision Optics, Thursdays at 3pm
- OTE1005 Fabrication of Precision Optics, Tuesdays at 3pm
- OTE2000 Lasers & Applications, Mondays at 3pm
- OTE2004 Optical Devices & Systems, Wednesdays at 3pm
- OTE2079/2081 Internship/Capstone



Dr. Amanda Meier

American-Made Challenges



- US Department of Energy-funded program
 - Administered through NREL
- Suite of challenges themed around accelerating innovation in clean energy:
 - Solar, water, wind, advanced materials, manufacturing, education, buildings and more
 - technology transfer from national labs
- **Prize money** ranges from \$thousands to \$millions
- For more questions, contact Network Connector Tanya Ramond
tanya.ramond@sapienneconsulting.com



A Word from Luminate

Luminate is the world's largest business accelerator for optics, photonics, and imaging (OPI) startups.

Luminate Video:

<https://www.dropbox.com/scl/fi/z972i0pzwahd2v9z7cg09/2023-Luminate-Overview-with-Applications-Text-at-End.mp4?rlkey=zj9lveln0jiimxm3t75oinjy2&dl=0>

Link to Luminate Accelerator Tool Kit

<https://luminate.org/cohort-7-digital-toolkit>

Quantum Update

Elevate Quantum – submitted EDA Tech Hub application

- **The Mountain West is the largest and most accomplished regional quantum cluster.** Our researchers have won 4 Nobel Prizes for quantum-related breakthroughs since 1997; almost half of all of the quantum-related Nobel Prizes awarded in the world over that period. We have more quantum-focused organizations doing more diverse quantum work and creating quantum jobs than anywhere else in the US.
- **The region is not only the largest, but the most broad-based:** Comprising quantum computing excellence and also top quantum sensing/networking players and leaders in enabling hardware for quantum.
- **Quantum jobs the region provides are diverse and inclusive and mostly not PhDs:** Because so much quantum hardware gets built here, many of the quantum jobs in the region are for welders, machinists, solderers, and technicians. These are the types of classic good jobs that built the American Middle Class, reflecting an environment that looks more like the aviation industry than academic labs.
- **The bottom line: Colorado and the Mountain West is the perfect ecosystem for corporate, state, and federal investment in Quantum to ensure the US leads in the Quantum Century.**

For more information, please contact Corban Tillemann-Dick (corban@maybellquantum.com) or Kortny Rolston Duce (Kortny@atom-computing.com)

Past/Upcoming Classes

Past:

First Order Layout and Geometrical Optics: June 203 - Julie Bentley

Optomechanical Systems, Laser Systems Engineering: July - Keith Kasunic

Upcoming:

Fundamentals and Applications of Ultrafast Laser Technology: November 2023 - Scott Domingue, Thorlabs Stay tuned for details!!!!!!!!!!!!



Upcoming Events: Photonics West 2024



Colorado Photonics Industry Association
FiveNine Optics
KOHZU Precision c/o Daniel F Crews, LLC
Optical Engines, Inc.
Perkins Precision Developments, LLC
Stable Laser Systems



CPIA is soliciting interest from up to four companies for the OEDIT booth
Please contact Autumn Gullatt if you are interested!

Upcoming Events: Rocky Mountain Photonics Summit

Date: April 17, 2024; 12 p.m. – 6 p.m.

Location: Denver Marriott Westminster

Marquis Sponsor: **SPIE.**

Platinum Sponsors: **THORLABS**



COLORADO
Office of Economic Development
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Seeking Presenters:

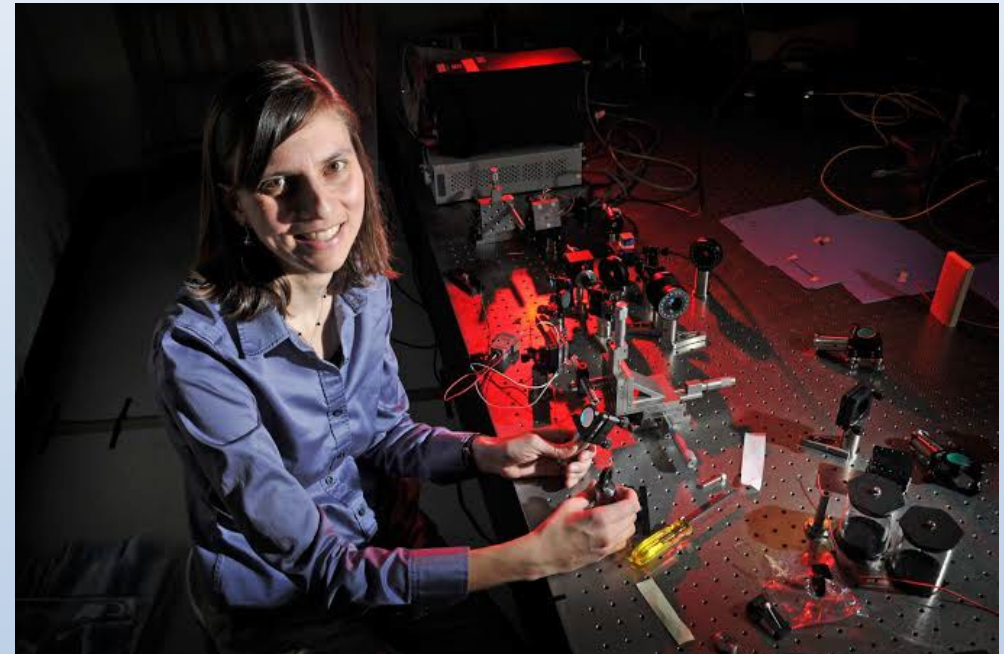


Featured Speakers

- Juliet Gopinath, Professor of Electrical, Computer, and Energy Engineering, University of Colorado Boulder
- Radu Moldovan, Advanced Light Microscopy Core (ALMC) Manager, University of Colorado Anschutz Medical Campus
- Carmen Menoni, Professor of Electrical Engineering, Colorado State University

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Happy Hour!

- Rayback Collective – 2775 Valmont Rd. Boulder CO - 6:00 p.m.



Appetizers provided by CPIA

Student Poster Contest

Please enjoy this time to visit with our students about their research and visit with our sponsoring exhibitors

