

ANNOUNCEMENTS

Week of October 2nd

Happy October!



Time
X-Lites
Hosted by The X-Lites Network

Enabling Technologies for X-ray FELs, Attosecond Science & THz Strong-Field Physics

Prof. Franz X. Kärtner
*Deutsches Elektronen Synchrotron (DESY), Center for Free-Electron Laser Science, Hamburg, Germany
Dept of Physics & The Hamburg Center for Ultrafast Imaging (CUI), U. of Hamburg, Germany*

Join us for an extreme light technology talk & collaborative discussion following the presentation!

X-ray Free-Electron Laser Facilities are combined accelerator and ultrafast laser laboratories, which are in need of many advanced technologies to bring their science capabilities to its full potential. Here we discuss several of these technologies based on ultrafast lasers including large-scale femtosecond timing and synchronization based on low-jitter femtosecond lasers, cryogenic lasers to enable high energy pulsed laser systems at high average power for high repetition rate XFELs, high energy THz pulse generation and multi-pass pulse compression, scalable parametric waveform synthesis and controlled attosecond pulse generation, lightwave electronics and eventually some integrated versions of these technologies.

OCT 4 • 10:00 AM TO 11:30 AM EDT

JOIN US VIA ZOOM AT
GO.OSU.EDU/X-LITES-TALK

Upcoming Events

October 4th- Institute for Optical Science, X-Lites Talk by F. Kärtner: Enabling Technologies for X-ray FELs, Attosecond Science and THz Strong-Field Physics. [More information](#)

Upcoming Colloquia & Seminars

10/2/23 Quantum Matter Seminar- Dr. Nathanan Tantivasadakarn- From Wave-Function Collapse and Galois Solvability to the Realization of Non-Abelian Topological Order on a Quantum Device. [More information](#)

10/3/23 Fall 2023 Colloquium Series- Dr. Anil Patnaik- Challenges for Building a Resilient Free-Space Quantum Network. [More information](#)

10/3/23 CCAPP Seminar- Biprateep Dey- Photometric Redshifts for Next Generation of Sky Surveys. [More information](#)

10/3/23 Biophysics Seminar- Steve Presse- TBA.

10/3/23 Biophysics Seminar- Kaarthik Balakrishnan- TBA.

10/3/23 Biophysics Seminar- Zhiyuan Meng- TBA.

10/6/23 CEM Mini Course Lecture- Professor Rolando Valdés Aguilar- THz Spectroscopy. [More information](#)

10/9/23 Quantum Matter Seminar- Gleb Finkelstein- Chiral Andreev Edge States in the Quantum Hall Regime. [More information](#)

10/10/23 Fall 2023 Colloquium Series- Dr. Claudia Ojeda-Aristazabal- The Competition of Magnetism and Topological States of Matter in Quantum Materials Probed Through Angle Resolved Photoemission Spectroscopy. [More information](#)

10/16/23 Quantum Matter Seminar- Jeff Rau- TBA.

10/17/23 Fall 2023 Colloquium Series- Dr. Maria Zurek- Journey to Unveil Proton Spin Structure: From Current Insights to the EIC Frontier. [More information](#)

10/18/23 ENCOMM Seminar- Salva Salmani-Rezaie- Polar Instabilities in Locally Polar Superconductors. PRB 4138, 3:00- 4:00 pm.

10/24/23 Fall 2023 Colloquium Series- Tristan Duke- Glacial Optics: Cold Cutting Edge. [More information](#)

Full Department

Our department will be hosting a **"Beat Michigan" blood drive** on Wednesday, November 1st, 2023, from 9:00 am- 3:00 pm, at 191 W Woodruff. Students have the chance to **win** a \$1,000 scholarship for participating, along with other fun incentives like a 'Blood Battle' t-shirt and \$5 rooster bucks! Our goal is to get **20-25 donors** for this event, and you can sign up to give blood now through [this link](#).

Safe and Healthy Buckeyes: Check out these important Covid policy and testing updates at [this link](#).

Faculty

Are you planning to take someone to the Faculty Club or Blackwell Bistro for a business meal? If so, please share the **details**, *such as business purpose, worktags, and attendees' names*, with your **Administrative Assistant** before the event.

And Reminder: tips are not allowed to be given at the Faculty Club per college policy and return itemized receipt to you Administrative Assistant.

Professor **Andrew Heckler** was recently quoted in an article for Inside Higher

Ed.com, "Grade Gaps Reflect Course Problems, Not Students' Shortcomings."
Read more on our website at [this link](#).

Graduate Students

Ohio State is launching a **new MS/PHD program** in Quantum Information Science and Engineering (QISE) with funding from the National Science Foundation. The program, funded by NSF's Research Traineeship (NRT), will include core new graduate-level courses, experiential learning such as graduate research and industry internships, and professional training in communication and ethics. Students will have access to faculty members and courses in the Departments of Physics, Math and Chemistry and Biochemistry in the College of Arts and Sciences, as well as the Departments of Electrical and Computer Engineering, Computer Science and Engineering, and Materials Science Engineering. [More information](#)

Undergraduate Students

Undergraduate socials are back! Join us once a month on Thursdays from 2-3 PM in the PRB commons for food, drink, games, and socializing with your fellow physics majors. Our next event will be Thursday, October 19th. We hope to see you there! [More information](#) on our social media @osuphysics.

Submit your news items to scopel.6@osu.edu by 5pm, Thursday.

Follow us on all social media platforms: [Facebook](#), [Instagram](#), and [Twitter](#)



Department of Physics

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