



WEBINARS



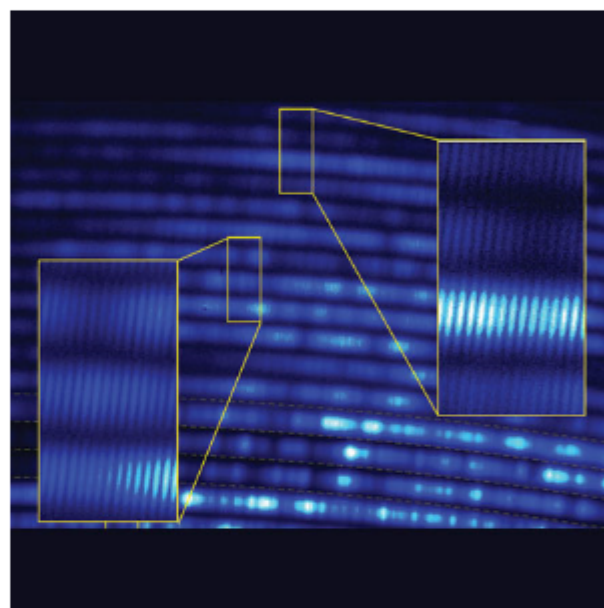
Join us for a **FREE Webinar**

Measuring Starlight with an Ultrafast Laser: Astrocomb Development for the Extremely Large Telescope

Tuesday, August 6, 2024 10:00 AM - 11:00 AM EDT

[Register Now](#)

In this webinar, Yuk Shan Cheng of Heriot-Watt University explores the important role of the Extremely Large Telescope's (ELT) ANDES spectrograph and its need for a high-precision frequency calibrator in order to pursue exciting ventures. She focuses on the development of astrocombs, which are laser frequency comb systems that can provide thousands of stable, atomically referenceable, and evenly spaced calibration lines. Despite their demonstrated success in labs and various telescopes worldwide, integrating astrocombs into modern telescope facilities presents challenges, including aligning their mode spacings with the spectrograph's resolving power and achieving broad spectral coverage, particularly in the UV-blue/green wave band. This presentation covers the approaches to these challenges, recent implementation at the Southern African Large Telescope, and advancements in astrocomb technology at Heriot-Watt University, including the development of the first continuous UV-blue/green astrocomb.



Upcoming Webinars

- [Industry Innovations in Fiber-Based Frequency Combs: Ultrabroadband Comb with Sub-3-kHz Free-Running Linewidths](#), 8/27/2024 1:00:00 PM EDT
- [Reflective Optics for Multispectral EO Systems](#), 8/28/2024 9:00:00 AM EDT

Archived Webinars

- [Photonic Oxygen Sensing Tools for Health Care](#)
- [The Heart of Gas Sensors: Novel IR Detectors for Gas Analysis](#)
- [Functional Imaging and Monitoring of Tissues with Diffusing Light](#)

Don't miss out!

[Sign up for our Webinar Alerts email today and never miss an upcoming event.](#)

We respect your time and privacy. You are receiving this email because you are a Photronics Spectra magazine subscriber. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photronics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949

© 1996 - 2024 Laurin Publishing. All rights reserved. Photronics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.



LAURIN PUBLISHING

PHOTONICS) MEDIA