



WEBINARS

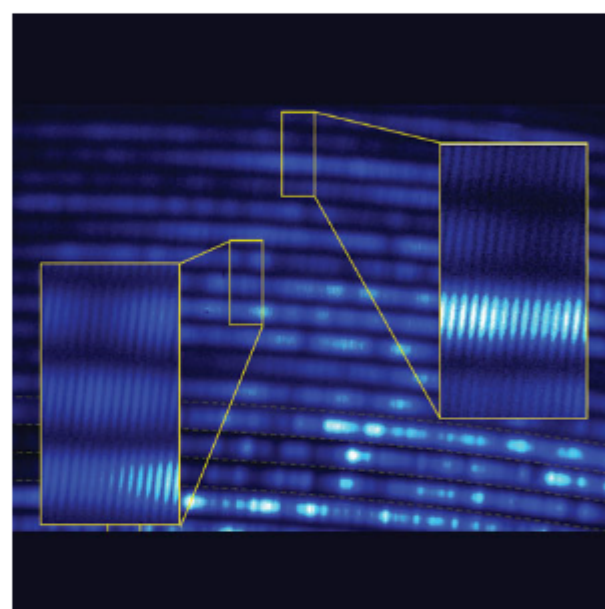
Join us for a **FREE Webinar**

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

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

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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.



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- [Reflective Optics for Multispectral EO Systems](#), 8/28/2024 9:00:00 AM EDT

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