

IQSE AMO QO Seminar Series

Tuesday, January 16th, 2024, 11:30 am ZOOM
& IQSE seminar room (MPHY 578)

Pizza will be served for IQSE members at 11:00 am. The talk will start around 11:30 am

Mikkel Brydegaard

(Lund University)

Photonic sensing of insect species richness in situ

ABOUT THE SPEAKER: Dr. Brydegaard is electrical engineer and doctorate in atomic physics from Lund University. He specialized in optical spectroscopy, remote sensing instrumentation and light interaction with biological targets. For more than a decade, he developed and applied entomological laser radars on all continents. He has been supportive of innovative realistic instrumentation in both local industry and West African and Andean countries.

EVENT DETAILS: Monitoring insect diversity and its decline can be a costly and troublesome business. In this talk I will present progress and current state of automate alternatives based on lasers and photonics. How and why does it work? How good does it work? What are the advantages and limitations? What molecular, nanostructure and microstructural features can be measured of free flying insects in field?

ZOOM information:

<https://tamu.zoom.us/j/98156251523?pwd=QVdSdGxtL1UyY0g1L083SU5QR0QrUT09>

Meeting ID: 981 5625 1523

Passcode: 297578

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