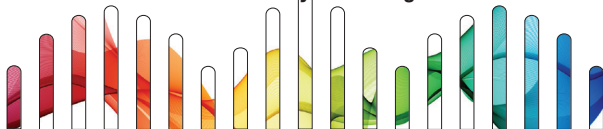


FREQUENCY COMB WINTER TRAINING SCHOOL

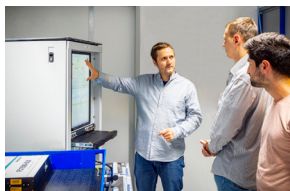
5th - 6th November , 2024

Location: University of Birmingham



Menlo Systems and the University of Birmingham relaunch the frequency comb seminar series as a frequency comb user workshop.

Menlo Systems, a leading developer and global supplier of instrumentation for high-precision metrology, was founded in 2001 as a spin-off of the Max Planck Institute of Quantum Optics, with the foremost aim to commercialize optical frequency comb technologies and make them available to newly emerging application fields, with still a strong bond to co-founder Nobel Laureate Theodor W. Hänsch.



For more than a century, the University of Birmingham has been pursuing and sharing knowledge through outstanding teaching and world-leading research. The 10 Nobel Laureates among their staff and alumni have contributed to some of science's greatest discoveries. Dr. Julia Lehman, Associate Professor in Physical Chemistry, is co-organizer of the workshop, bringing her expertise in infrared frequency comb spectroscopy and reaction kinetics to develop the workshop content.

PRACTICAL DEMO SESSIONS

This two-day workshop will cover optical frequency comb fundamentals, include on-site demos, and will provide insights into key frequency comb applications. The aim is to deepen knowledge and improve understanding with different optical frequency comb systems.

WORKSHOP TOPICS

- fundamentals of optical frequency combs
- characterization and operation of optical frequency combs
- building blocks of Menlo comb systems and Menlo device control software
- demonstration of Mid-IR combs and ultrastable microwave systems
- special guest lectures on spectroscopy, radar, and quantum technologies
- data acquisition and analysis
- remote system control via API
- systematic and statistical errors
- stability and accuracy
- certification



COMMENTS FROM PREVIOUS PARTICIPANTS

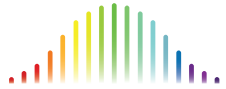
"I'll definitely be sending students in the future!"

"Time for questions and discussions with experts"

"Totally helpful – almost mandatory"

"Excellent organization, nice people", "Great atmosphere"

"The talks were great and the time spent in the labs was very good practice"



REGISTRATION

Workshop fee: From 250 GBP per person. Includes:

- Two-day workshop
- Demos with customer frequency combs
- Menlo experts on site
- Lunch, tea and coffee on both days
- Workshop dinner on one evening
- Frequency comb fundamentals handbook

Attendance is on a first-come, first-served basis and is subject to availability.

You can further benefit from competitive hotel pricing on the university campus. See registration link for details.

For more information, scan the QR code:



Contact for more information on seminar topics, registration and hotel bookings:

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