

Online open workshop on numerical modelling for electromagnetic field interaction with aerosol particles and on real-world optical measurements of aerosol particles

Date: 16th September 2021, 10:00-14:45 CEST
Location: Online Workshop

This online workshop is free of charge and is organized by CMI in collaboration with PTB in frame of EMPIR AEROMET II project.

Programme

- 9:45-10:00 *Participants can connect and test their remote connection prior to the workshop.*
- 10:00-10:15 *Welcome and workshop introduction (Jiří Šperka, CMI).*
- 10:15-10:25 *Aeromet II project introduction (Burkhard Beckhoff, PTB).*
- 10:25-11:05 *Light interaction with particle(s): From theory to applications (Martin Šiler, CAS).*
- 11:05-11:35 *Low-cost optical sensors: aerosol detection and signal processing (Klemen Bučar, JSI).*
- 11:35-12:00 *The primary standard for particle number concentration at METAS - the facility and its applications (Stefan Horender, METAS).*
- 12:00-13:00 *Lunch break*
- 13:00-13:40 *Modelling of light scattering applications: towards optical tweezers (Martin Šiler, CAS).*
- 13:40-14:00 *Pollen monitoring in Switzerland: From manual microscopy to automated flow cytometry (Gian Lieberherr, MeteoSwiss).*
- 14:00-14:30 *Numerical modelling of particle imperfections using Gsvit open source software (Petr Klapetek, CMI).*
- 14:30-14:45 *Closing remarks and comments (Petr Klapetek, Jiří Šperka, CMI).*

Please, register on following webpage prior to the workshop:

https://www.cmi.cz/aerometII_cmi_workshop_en

After participant registration, the organizer will follow up with instructions how to access the event.



EMPIR



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To learn more about the AEROMET II project, visit <http://www.aerometprojectii.com/>