

Tue. May
28th

OSCA WORKSHOP

09:00

OSCA 2024 - Welcome

09:15 - 09:30

ONERA Scientific Directorate

Cristina
Rotaru

ONERA, Scientific Directorate

France

09:30 - 10:15

**Tutorial: Digital lensless holographic
microscopy: Fundamentals, applications, and
opportunities of use in aerosol science.**

Jorge
Sucerquia

Universidad Nacional de
Colombia Sede Medellin

Colombia

Coffee Break

11:00 - 11:20

The role of the European Aerosol Lidar Network
(EARLINET) in the Aerosol, Clouds and Trace
Gases Research Infrastructure (ACTRIS)

Adolfo
Comeron

Univ. Politecnica de Catalunya

Spain

11:20 - 11:40

The PI-chamber, a facility to study cloud-aerosols
interactions

Claudio
Manzzoleni

Michigan Technological
University

USA

11:40 - 12:00

Mobile Aerosol Monitoring combining Lidar
and Photometer

Maria
Fernanda
Sanchez
Barrero

LOA, Lille University

France

Lunch Break

14:00 - 14:45

**Tutorial: Aerosol characterization with
digital in-line holography**

Matthew J.
Berg

Kansas State University

USA

14:45 - 15:05

Single Particle Extinction and Scattering for
measuring optical properties of aerosol

Marco
Potenza

University of Milan

Italy

15:05 - 15:25

Angular light scattering in an axisymmetric
laminar flame: influence of self-absorption
on soot sizing

Jerome Yon

INSA Rouen, CORIA

France

Coffee Break

15:45 - 16:05

Are terrestrial and extraterrestrial aerosols so
different?

Olga
Munoz

Institute de Astrofísica de
Andalucia

Spain

16:05 - 16:25

polometric light scattering from aerosols, a cheap
alternative to lidar
across several aerosol types: mineral dust,
pollen, soot

Gordon
Viden

Space Science Institute Boulder

USA

16:25 - 16:45

What does the spectral slope of the
depolarization ratio tell us?

Moritz
Haarig

TROPOS, Leibniz Institute for
Tropospheric Research.

Germany

Wed. June
29th

**OSCA
WORKSHOP**

09:00

OSCA 2024 - Welcome

09:15 - 09:30

ONERA Space Directorate

Nicolas Riviere

ONERA, Toulouse
University

France

09:30 - 10:15

**Tutorial: Aerosol characterization
with HSRL lidar**

Yoshitaka Jin

NIES, Tsukuba, Japan

Japan

Coffee Break

11:00 - 11:20

Study of aerosol properties and aerosol-cloud
interactions using laser-induced fluorescence
lidar observations

Qiaoyun HU

LOA, Lille University

France

11:20 - 11:40

Short range elastic backscattering lidar as a new
tool for probing aerosol properties

Romain Ceolato

ONERA, Toulouse
University

France

11:40 - 12:00

Multi Spectral Lidar acquisitions at
28 wavelengths on 2 types of aerosols

Gregoire
Tremblay

DRDC-RDDC

Canada

Lunch Break

14:00 - 14:20

Recent advances in the modeling and the
metrology of light scattered by optical surfaces.

Myriam Zerrad

Insitut Fresnel, Marseille
University

France

14:20 - 14:40

Radiative properties of artificial and natural cirrus
clouds using a co-located ground-based lidar and
all-sky camera at ONERA, Toulouse

Andres Bedoya

ONERA, Toulouse
University

France

14:40 - 15:00

Cavity-enhanced multi-wavelength light extinction
and scattering measurements for drone-based soot
particle characterization

Marek Mazur

INSA Rouen, CORIA

France

Coffee Break

15:20 - 15:40

MIMOSA, a new Multi-Incidences, Multi-
Orientations, Scattering/diffraction/RCS analyser

Jean-Michel
Geffrin

Insitut Fresnel, Marseille
University

France

15:40 - 16:00

Radiative properties of dielectric and
absorbing aggregates

Llorenç
Cremonesi

University of Milan

Italy

16:00 - 16:30

OSCA 2024 - Conclusion

Romain Ceolato

ONERA, Toulouse
University

France