

WORKSHOP

MARINE IMPACT ON AEROSOL PHYSICAL PROPERTIES

Sopot, 27 – 29 April 2009

Agenda

27 April

- 12:30** **Welcome**
Director of IOPAS
- 12:35** **Short introduction**
Tymon Zielinski
- 12:40 – 12:45** **Andøya Rocket Range – short overview**
Michael Gausa/ Sandra Blindheim
- 12:45 - 13:10** **The new starphotometer SPSTAR04 for the
observation of the aerosol in the night**
K.-H. Schulz, Dr. Schulz & Partner GmbH
- 13:10 – 13:30** **Measurements of PM over an industrial site in an
island of Evia (Greece) using synergy of a scanning
lidar and insitu sensors during TAMEX**
*George Georgoussis, Alexi Papayannis, Raymetrics SA/
NTUA, Greece*
- 13:30 – 14:10** **Optical Properties of Aerosol from different
instruments during a campaign in a costal zone**
*Anca Nemuc, Camelia Talianu, Livio Belegante, Emil
Carstea, Jeni Vasilescu, INOE, Romania*
- 14:10 – 14:30** **Investigation of maritime aerosol during MACRON
campaign**
Karolina Jagodnicka, University of Warsaw, et al.
- 14:30 – 15:00** **COFFEE**
- 15:00 –** **Discussions on MACRON/COAST08-09/Scientific
Network**
- 18:00 -** **DINNER courtesy of TSI**

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- 09:00 – 09:30** **Aerosol and climate**
Jacek Piskozub, IOPAS
- 09:30 – 09:50** **Aerosol optical depth measured at different coastal sites
and its connection with macrometeorological features**
Agnieszka Ponczkowska, IOPAS et al.
- 09:50 – 10:10** **Origin of the aerosol particles in the marine
boundary layer over south-eastern Baltic Sea**
V. Ulevicius, Institute of Physics, Lithuania et al.
- 10:10 - 10:30** **The variability of the aerosols optical properties
nearby the Baltic Sea area**
Agnieszka Zdun, Anna Rozwadowska, IOPAS
- 10:30 – 11:00** **COFFEE**
- 11:00 – 11:20** **Measurement of Aerosol Optical Thickness over the
Atlantic Ocean and in West Antarctica, 2006-2007**
Michal Posyniak, University of Warsaw
- 11:20 – 11:40** **Airborne lidar observations offshore the westcoast of
Svalbard interpreted by EULAG model as signatures
of a seasalt, dust and ice particles**
Iwona Stachlewska, University of Warsaw, Poland
- 11:40 – 12:00** **Impact of air mass history on aerosol optical thickness at
Hornsund station, Spitsbergen**
A. Rozwadowska, IOPAS, et al.
- 12:00 – 12:20** **Studies of aerosol optical properties over the
European Arctic seas**
Tymon Zielinski, IOPAS/University of Szczecin, et al.
- 12:20 – 14:00** **LUNCH**

- 14:00 – 14:20** **Study of marine and continental aerosol properties and radiative forcing during MACRON campaign in 2007.**
Krzysztof Markowicz, University of Warsaw, Poland
- 14:20 – 14:40** **Aerosol and water vapour profiling with multiwavelength lidar and sunphotometer in Hornsund**
Aleksander Pietruczuk, Grzegorz Karasinski
Institute of Geophysics PAS, Poland
- 14:40 – 15:00** **The new Koldewey Aerosol Raman Lidar (KARL) at Ny Ålesund: current lidar measurements and an outlook into the future**
Christoph Ritter, AWI, Germany, et al.
- 15:00 – 15:20** **Aerosol measurements over the coastal area of the southern Baltic Sea**
Bringfried Pflug, DLR, Germany, Tymon Zielinski,
IOPAS
- 15:20 – 15:40** **The code MAEXPRO for calculation of aerosol extinction in the marine environments**
G.A. Kaloshin, S.A. Shishkin, Zuev Institute of Atmospheric Optics, Tomsk, Russia
- 15:40 – 16:00** **Influence of marine aerosol on transparency of the sea and coastal atmosphere surface layer**
G. A. Kaloshin, Zuev Institute of Atmospheric Optics, Tomsk, Russia
- 16:00 – 16:30** **Summary of the day**

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- 09:00 – 12:00** **Discussions on a grant proposal issues**
- 12:00** **The end of the workshop**