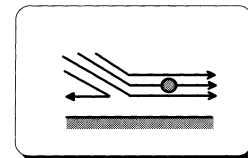


**James H. (Jimmy) Belfer Memorial Symposium
on Atmospheric Aerosols**

The Israeli Association for Aerosol Research

האגודה הישראלית לחקר אווירוסולים



**24th ANNUAL MEETING
Wednesday, February 23, 2011
Butler auditorium
Technion**



Technion - Israel Institute of Technology
הטכניון - מכון טכנולוגי לישראל

Program

- 8:30** **Registration, coffee**
- 8:55** **Welcome**
- 9:00-10:20** **First Session** *Chair: Y. Dubowski*
- 9:00-9:20 Thirdhand tobacco smoke: the role of surfaces in SOA formation and other indoor pollutants. Petrick L., Dubowski Y.
- 9:20-9:40 On the seasonality of North African dust patterns over the Atlantic Ocean. Ben-Ami Y., Koren I., Altaratz O., Lehahn Y.
- 9:40-10:00 Aerosol optical thickness trends and population growth in the Indian subcontinent. Kishcha P., Starobinets B., Alpert P.
- 10:00-10:20 Remote sensing of desert aerosol dust plumes using AURA/OMI measurements in the UV. Yaron, O., Levin, Z., Israelevich, P.
- 10:20 - 10:40** **Coffee Break**
- 10:40-11:30** **Plenary session** *Chair: M. Shapiro*
- Urban air quality: From the field to the supercomputer. Spyros N. Pandis
- 11:30 - 12:50** **Session 2: Poster session** *Chair: A. Khain*
- On the Tropical Pacific corridor - a stationary window to ocean atmosphere interactions. Tubul Y., Koren I., Lehahn Y., Altaratz O.
- Atmospheric ice nuclei in the Eyjafjallajkull volcanic ash plume over Germany and Israel. Ardon-Dryer K., Levin Z., Bingemer H.G., Klein H.
- Distance from the nearest cloud as a source for additional information on aerosol and cloud properties. Bar-Or R.Z., Koren I., Altaratz O.

Influence of large eddies on microphysics of the boundary layer under strong winds and spray formation. Shpund J., Pinsky M., Khain A.

Wind tunnel measurements of pollen release and entrainment in the vicinity of ragweed (*Ambrosia*) flowers. Jacobson N., Saban L., van Hout R.

Agglomerate drag in continuum and rarefied flow regimes. Vainshtein P., Shapiro M.

Estimation of ambient benzo(a)pyrene concentrations in the Czech Republic. Zalel A., Broday D.

Effect of sonic waves on wet gas filtration by granular filters. Gutfinger C., Moldavsky L., Oron A., Fichman M.

Deposition of fractal-like soot aggregates in the human respiratory tract. Broday D.

Climatic Forecast of PM levels in the East Mediterranean. Yuval, Broday D., Alpert P.

12:15 – 12:50 Lunch (in parallel to the poster session)

12:50- 13:10 IAAR General Assembly Chair: M. Shapiro

13:10 - 14:30 Session 3: *Chair:* R. van Hout

13:10-13:30 Characterization of local and foreign PM in Israel. Erel Y., Kesler N., Tirosh O., Dayan U., Belkin S., Schauer J.

13:30 - 13:50 Atmospheric profiles during dust days. Ganor E., Stupp A., Osetinsky I., Alpert P.

13:50 - 14:10 The effect of the phase (solid/aqueous) of ammonium sulfate aerosol components on their climate forcing. Erlick-Haspel C., Abbatt J.P.D., Rudich Y.

14:10 - 14:30 Measurements of pollen settling in quiescent air and in near homogeneous isotropic turbulence. Saban L., van Hout R.

14:30 - 14:40 Coffee Break

14:40 - 16:00 Session 4: *Chair:* D. Broday

14:40 - 15:00 Below-cloud scavenging of soluble gaseous pollutants by rain droplets in the atmosphere with nocturnal temperature profile. Elperin T., Fominykh A., Krasovitev B.

15:00 - 15:20 The role of small soluble aerosols in the microphysics of deep maritime clouds. Benmoshe N., Khain A.P., Pokrovsky A.

15:20 - 15:40 Chemical, physical, and optical evolution of biomass burning aerosols: a case study. Adler G., Flores J.M., Abo Riziq A., Borrmann S., Rudich Y.

15:00 - 16:00 Mapping air pollution by particle size distribution induced sputum test in adults in Gush Dan. Lavi A., Puchter O., Omer I., Fireman E.

16:00 Adjourn