

4th International Workshop

Nanoparticle Emissions from Heavy-Duty Vehicles

In memoriam Professor Yoram Zvirin

Tuesday, June 21, 2016

Andrew Davidovits Auditorium, D. Dan and Betty Kahn Building

Faculty of Mechanical Engineering, Technion, Haifa

8:30 – 9:00	Welcome and Registration
Opening session	Chairman: Leonid Tartakovsky, Technion
9:00 – 9:30	Welcome: <i>Yisrael Dancziger</i> , Director General, Israel Ministry of Environmental Protection <i>Yona Yahav</i> , Mayor of Haifa <i>Anath Fischer</i> , Deputy Executive Vice President for Research, Technion <i>Yoram Halevi</i> , Dean, Faculty of Mechanical Engineering, Technion
9:30 – 10:00	Keynote lecture: Particle Emissions of Internal Combustion Engines and Their Control <i>David Kittelson</i> , University of Minnesota, USA
Morning session	Chairman: Michael Shapiro, Technion
10:00 – 10:20	Health Effects of Combustion-Generated Ultrafine Particles (UFP): How UFP Can Enter the Human Organism – Size Matters <i>Peter Gehr</i> , Faculty of Medicine, University of Bern, CH
10:20 – 10:40	Physical & Chemical Considerations of Atmospheric Pollution by Ultrafine Particles. <i>Andreas Mayer</i> , VERT Scientific Committee, TTM Niederrohrdorf, CH
10:40 – 11:20	Coffee break
Noon session	Chairman: Jan Czerwinski, Bern University of Applied Sciences
11:20 – 11:40	Vision and Strategies on Reduction of Particle Emissions from Diesel Vehicles in Israel <i>Amir Zalberg</i> , Head of Transportation and Fuel Department, Israel Ministry of Environmental Protection, IL

11:40 – 12:00	Haifa Plan for Reducing Air Pollution from Transportation Ofer Dressler , Director, Haifa District Association for Environmental Protection, IL
12:00 – 12:20	VERT Activities and Experience with DPF Retrofitting Lars Larsen , VERT President, DK
12:20 – 13:30	Lunch
Afternoon session 1	Chairman: Andreas Mayer, TTM
13:30 – 13:50	Other Pollution Sources: Nanoparticle Emissions from Gasoline Direct-Injection Vehicles & NO_x/NO₂ Emissions from Diesel Vehicles Jan Czerwinski , IC-Engines & Exhaust Emissions laboratory, Bern University of Applied Sciences, CH
13:50 – 14:10	Controlling Emission of Sub-Micron and Nano-Scale Particles with Particle-Grouping Exhaust System David Katoshevski , Ben-Gurion University of the Negev, IL
14:10 – 14:40	Coffee break
Afternoon session 2	Chairman: Amir Zalberg , Israel Ministry of Environmental Protection, IL
14:40 – 15:00	Aftertreatment with DPF, Inspection & Maintenance, The Policy Thomas Lutz , ETH - Swiss Federal Institute of Technology, Zurich, CH
15:00 – 15:20	Recent Advances in Measurement Technology for Low Particulate Emissions in a Legislative Framework Oliver F. Bischof , TSI – Particle Instruments, DE
15:20 – 15:40	Effects of Diesel Particle Filters on Performance of In-Use Buses Leonid Tartakovsky , Technion – Israel Institute of Technology, IL
Public Panel discussion 15:40 – 16:30	Issues and challenges of particle emissions mitigation – technology, legislation and enforcement aspects Moderator – Andreas Mayer, TTM
Closing remarks 16:30 – 16:35	Leonid Tartakovsky , Chairman Organizing Committee

* The Program is subject to changes

Organizing Committee

Dr. Leonid Tartakovsky, Technion, Haifa, IL – Chairman

Prof. Jan Czerwinski, Berne University of Applied Sciences, Biel, CH

Dipl. Ing. Volker Hensel, VERT Association, CH

Dr. Andreas Mayer, TTM Niederrohrdorf, CH

Mr. Amir Zalberg, Israel Ministry of Environmental Protection, IL

ההרצאות יינתנו בשפה האנגלית

Workshop Language – English

Participation in the Conference is free of charge, however early registration is required.

An exhibition will take place in the Conference lobby, where the leading industries will demonstrate their latest developments in the field of nanoparticles filtration and measurement technologies.