



3rd International Workshop Nanoparticle Emissions from Heavy-Duty Vehicles DPF Retrofit Kick-off Meeting for Public Bus Fleets in Israel

Organized by: TECHNION - Israel Institute of Technology, Israel Ministry of Environmental Protection and VERT Association

Venue: Israeli Institute of Energy and Environment, Tel Aviv, **September 8, 2014**

08:30 – 09:00 Registration & coffee

09:00 – 09:15 **Opening and welcome address** – Baruch Weber, Director, Tel-Aviv Regional Office, Ministry of Environmental Protection, IL

Session 1: Diesel fleets retrofitting – trends and challenges *Chairman – L. Tartakovsky*

09:15 – 09:35 **Survey of Israeli regulations on reduction of emissions from heavy vehicle fleets**
Amir Zalzburg, Head of Transportation and Fuel Group, Israeli Ministry of Environmental Protection, IL

09:35 – 09:55 **VERT activities worldwide on reduction of nanoparticle emissions by heavy-duty diesel vehicles**
Volker Hensel, CEO, VERT Association, CH

09:55 – 10:10 **Best practice for international retrofit project schemes – aspects of VERT policy**
Martin Ott, VERT Policy Officer

10:10 – 10:30 **Need and methodology of a pilot test to initiate retrofitting large fleets**
Andreas Mayer, VERT Association, TTM Niederrohrdorf, CH

10:30 – 10:50 **1) Risks, Risk Management 2) Benefits & Cost of retrofitting buses with DPF**
Andreas Mayer, VERT Association, TTM Niederrohrdorf, CH

10:50 – 11:15 **Coffee break**

Session 2: Israeli fleet of heavy-duty vehicles *Chairman – A. Zalzburg*

11:15 – 11:35 **Diesel particle filter – an efficient tool for mitigation of nanoparticle emissions from in-use heavy-duty vehicles**
Leonid Tartakovsky, Director, ICE Lab, Faculty of Mech. Engineering, Technion, IL



11:35 – 11:55 [Egged Bus Corporation – introduction and the environmental challenges](#)
Nissim Baavur, Chief Vehicle Engineer, Egged Israel Transport Cooperative Society Ltd

11:55 – 12:15 [Emission reduction technologies – practical experience and future plans of the Dan Company](#)
Ofar Ben Dov, Dan Public Transportation Company

12:15 – 13:00 **Lunch break**

Session 3: DPF technologies *Chairman – A. Mayer*

13:00 – 13:15 [Eminox clean bus technology solutions](#)
Martin Ott, Eminox, UK

13:15 – 13:30 [Dinex Emission Technologies - Retrofit Solutions](#)
Oliver Gravemann, Sales Manager, Dinex, DK

13:30 – 13:45 [PURitech - Reliable Diesel Particulate Filters for Buses, Heavy Goods Vehicles and Non-Road Mobile Machinery](#)
Thomas Kaltwasser Director Business Development, PuriTech, DE

13:45 – 14:00 [Bus Retrofit Options- CDTi Products & Experience Overview](#)
Kevin Brown, Regulatory Affairs Manager, CDTi, CA

14:00 – 14:20 **Coffee break**

Session 4: DPF technologies and measurements *Chairman – V. Hensel*

14:20 – 14:35 [ESW Retrofit Experience and Product Portfolio](#)
Michael Streichsbier, ESW, US

14:35 – 14:50 [Enhancing DPFs with PEMRED's low-cost particles agglomeration device](#)
Avigdor Luttinger, CEO, PEMRED Technologies Ltd, IL

14:50 – 15:05 [The Golden PN-PEMS: Technical Aspects and Outlook](#)
Andreas Knecht, General Manager, Matter Aerosol, CH



15:05 – 16:30 **Roundtable discussion on issues and challenges of retrofitting heavy-duty vehicles with diesel particle filters**

Moderator – A. Mayer

16:30 **Closing remarks** – Leonid Tartakovsky

Organizing Committee

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

Professor Jan Czerwinski, Berne University of Applied Sciences, Biel, CH

Dipl. Ing. Volker Hensel, VERT Association, CH

Dr. Andreas Mayer, TTM Niederrohrdorf, CH

Mr. Amir Zalzburg, Israeli Ministry of Environmental Protection, IL

Workshop Language – English

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