

اثرات ذرات فوق ریز
بر سلامتی و سم زدایی
آگزوز دیزل توسط
فیلترهای جاذب دوده:
تیوری و کاربرد



کارگاه آموزشی تخصصی

چهارمین همایش ملی مدیریت آلودگی هوا و صدا
توسط: آقای ولکر هنسسل، دکتر اندرس میبر و پروفسور پیتر گهر
دکتر ولکر شلیکوم و دکتر حسین ایزانلو

- زمان** همزمان با همایش ملی مدیریت آلودگی هوا و صدا
- مکان** تهران، مرکز همایش‌های بین المللی صدا و سیما
- زبان** انگلیسی
- نحوه ثبت نام** وبسایت چهارمین همایش ملی مدیریت آلودگی هوا و صدا به آدرس aqm.sharif.ir
- مخاطبین**
- گواهینامه** در پایان دوره گواهی شرکت در این کارگاه به شرکت کنندگان ارائه خواهد شد.



آدرس دبیرخانه همایش:
تهران
سهروردی شمالی
کوی نیکوقدم
پلاک ۴۰



تلفن تماس دبیرخانه:
۸۸۷۴۵۱۲۲



آدرس ایمیل:
aqm@sharif.ir



آدرس سایت:
aqm.sharif.ir



Dipl.-Ing.
Volker Hensel
CEO, VERT Association
Switzerland



Prof. **Andreas Mayer**
Consultant &
Scientific Advisor of
VERT Association
Zurich, Switzerland



Prof. **Peter Gehr**
University of Bern,
Institute of Anatomy
Bern, Switzerland



Volker Schlickum
CEO, VERT Association
Switzerland



Hossein Izanloo
ASA Member of the Board



D STEP DIM | IPL...ING . Volker Hensel

Volker Hensel obtained his degree in Mechanical Engineering at the Cologne University of Applied Science in 1989. Within MANN+HUMMEL he managed from 2006 – 2001 as head of R&D the global activities of non-road and industrial filtration and from 2013 – 2006 as Vice President the business field retrofit and diesel particulate filters.

Besides his own consulting business he is current CEO of the VERT association based in Switzerland. The VERT Association aims at promoting best available technologies (BAT) for the reduction of emissions from internal combustion engines.

D STEP DI | P RUN | Andreas C.R.Mayer

Dr. Andreas Mayer has a degree as mechanical engineer from Technisch Hochschule Karlsruhe/Germany. He worked for 8 years in the flow research (gas- and steam turbines) and another 20 years in the development of superchargers for diesel engines with BBC/ABB in Switzerland, which resulted in over 50 patents.

In 1990 he has founded TTM, a private engineering company, focus on research and development of "Emission Reduction and Supercharging of internal combustion engines"

Since 1993 he is leading the Swiss VERT project on introducing particle filters for diesel engines in tunnelling, later in many other applications, domestic and worldwide.

Dr. Mayer has authored over 100 technical papers on supercharging, emissions and ceramic materials, and is the co-author of 6 books on these subjects. He became a Fellow of SAE in 2005 and in 2009 received the degree of "Dr.med.h.c." From the University of Berne for his interdisciplinary work to introduce high efficiency particle filters in order to minimize toxic air contamination in cities, at the working place and in vehicle cabins.

He is currently a consultant on emission reduction from engines in Iran, China, Latin America and other countries.

D STEP R RUN | Hossein Izanloo

ASA Member of the Board

Education: Master of Science in Mechanical Engineering

Executive Experiences:

GENCO Managing Director

R&D Deputy and Member of the Board of Irankhodro Powertrain Company, 2013-2007

Project Manager of "Runna Serial Hybrid Concept Car Development", 2013

Project Manager of "EF7 Engine Family Development", 2010-2007

20 Years Experiences in Iran Automotive Industry, -1996Now

General Consultant for Emission Measurement Test Systems

General Consultant for Clean Fuels and Vehicles

D STEP DIM | P RUN | Peter Gehr

Peter Gehr is Professor emeritus of the University of Bern. He was Professor and Chairman of the Department of Anatomy at the University of Bern Switzerland until 2010.

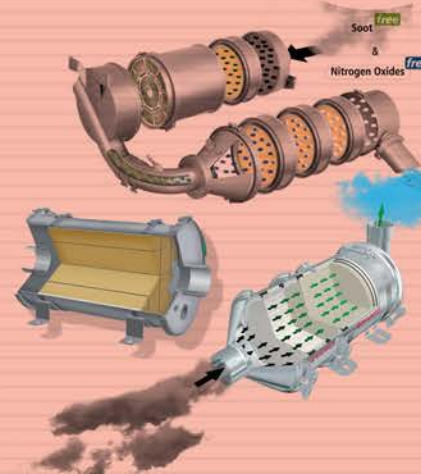
He has received his PhD in biology in 1974 at the University of Bern where he became an Assistant Professor in 1975, an Associate Professor in 1983 and a full professor in 1988. In 1977 he was a visiting lecturer at the University of Nairobi, Kenya and from 1980 to 1982 he was a visiting Assistant Professor at the Harvard School of Public Health, Boston USA.

He was first studying the structure-function correlation of the gas exchange structures of the lungs. Later he became interested in the mechanisms of particle-lung interactions. He focused his work on the interaction of particles with the surfactant, and later with cells and sub-cellular structures. Most recent studies dealt with the interaction of nanoparticles with cells and intracellular trafficking. These studies included the investigations of cellular interplay upon exposure to nanoparticles. He is currently chairing the National Research Program on Opportunities and Risks of Nanomaterials of the Swiss National Science Foundation.

He was a Visiting professor at the University of Nairobi, Kenya and he received an Honorary Degree of the University IUUEPS Moscow. He is a member of the Swiss Academy of Engineering Sciences and an honorary member of several Scientific Societies, including Fellow of the European Respiratory Society. He also received a number of international awards.

He published over 240 research articles, reviews and book articles, and he is the editor of 5 books.

D STEP R RUN | Volker Schlickum



Workshop content

Analysis and Assessment Topics that will be covered will be:

- 1 Health Effects of combustion generated particles**
How combustion derived nanoparticles can enter the human organism – size matters
Monetary health benefits compared to emission reduction cost
- 2 Diesel Particle Filter Technologies**
Efficient technical concepts and substrates
Soot conversion techniques in the filter and
Electronical control of Diesel Particulate Filter Systems
Cleaning and Service of Diesel Particle Filters
- 3 Experiences with LEZ and Retrofit of Diesel Particle Filters in Berlin**
Experiences of the City of Berlin with the introduction of Diesel Particle Filters
Experiences of introduction of Low Emission Zones
Outlook for future air quality activities in Berlin
- 4 Experiences from retrofit activities in Tehran**
Requirements for success full retrofit
Case study Tehran retrofit program
Learnings and best practice for Iran Retrofit programs
- 5 Inspection and Maintenance**
Importance and need for Inspection and Maintenance for vehicles with exhaust aftertreatment systems
Best practice for regularly vehicle inspection
Efficient Inspection concepts for onroad vehicles EURO IV eev a/b
- 6 Question and answer session with experts**