

# **AVECC 2004**

## **Asian Vehicle Emission Control Conference 2004**

Sponsored by the  
Association for Emissions Control by Catalyst (AECC),  
the  
Committee of Vehicle Emission Control in China (CVEC),  
and the  
Manufacturers of Emission Controls Association (MECA)

### **Final Agenda**

#### **Monday, April 26, 2004**

3:00-6:00 pm    **REGISTRATION**

#### **DAY 1 – Tuesday, April 27, 2004**

8:00 am            **REGISTRATION**

##### **OPENING REMARKS**

10:00 am            Dirk Bosteels, *AECC*; Dale McKinnon, *MECA*; and Du Lin, *China Association of Environmental Protection Industry*

10:15 am            Luo Yi, *State Environmental Protection Administration of China*

10:25 am            Pei Chenghu, *Beijing Municipal Environmental Protection Bureau*

10:35 am            Cornie Huizenga, *Clean Air Initiative for Asian Cities*

11:00 am            **Panel of Experts – Questions from the Audience**

##### **SESSION 1 – SETTING THE FRAMEWORK FOR THE EMISSION CONTROL TECHNOLOGY DISCUSSIONS**

Chairperson – Mark Landin, *Corning Incorporated*

11:15 am            **Euro III – Our Common Challenge**  
Fang Maodong, *CVEC*

11:45 am            **Health Effects and Regulatory Developments Around the World**  
Mike Walsh, *International Consultant*

12:15 pm            **Future European Developments**  
Louis Fel, *Delegation of the European Commission, Beijing*

12:45 pm            **LUNCH**

### **SESSION 1 (continued)**

2:00 pm                    **Fuel Economy Legislation in China**  
Xu Bamin, *China Automobile Technology and Research Center*

2:30 pm                    **Fuel Quality Issues and Developments in Asia**  
Liisa Kiuru, *The International Fuel Quality Center*

3:00 pm                    **Panel of Experts – Questions from the Audience**

3:15 pm                    **BREAK**

### **SESSION 2 – EMISSION CONTROL TECHNOLOGY FOR GASOLINE-POWERED PASSENGER CARS AND LIGHT-DUTY TRUCKS**

Chairperson – Dale McKinnon, *MECA*

3:30 pm                    **High Performance TWC Technologies for Gasoline-Powered Vehicles**  
Dr. Byung-sun Kang, *Umicore AG*

4:00 pm                    **Pushing the Envelope to Near-Zero Emissions on Light-Duty Gasoline Vehicles**  
John Adomaitis, *Engelhard*

4:30 pm                    **Gasoline Cost Reduction Technologies for China**  
Dr. Neil Collins, *Johnson Matthey*

5:00 pm                    **Breakthrough Ce/Zr Oxides as Precious Metal Supports in Ultra Low Loaded Precious Metal Catalysts Technologies**  
Olivier Touret, *Rhodia*

6:00 pm                    **RECEPTION/DINNER – Sponsored by ArvinMeritor, Beijing LC Environment Group Company, Corning Incorporated, Delphi, Emitec, Engelhard, Faurecia Exhaust Systems, Johnson Matthey, NGK Ceramics Suzhou, Umicore, Unifrax, and United Automotive Electronic Systems**

## **DAY 2 – Wednesday, April 28, 2004**

### **SESSION 2 (continued)**

8:00 am                    **Impact of MMT on Vehicle Emission Performance**  
Dr. Klaus-Peter Schindler, *Volkswagen AG*

8:30 am                    **Automotive Emission Control**  
Mikio Makino, *NGK Japan*

9:00 am                    **Fuel Properties and Emissions**  
Yasunori Takei, *Japan Automobile Manufacturers Association*

9:30 am                    **NO<sub>x</sub>-Storage Catalysts: Principles-Requirements-Experiences**  
Karl-Heinz Glueck, *Umicore AG*

10:00 am                    **Auto/Oil Programs, Reformulated Fuels, and Alternative Fuels**  
Bruce Bykowski, *Southwest Research Institute* and Zhan Rijng, *Southwest Research Institute*

10:30 am                    **Panel of Experts – Questions from the Audience**

10:45 am                    **BREAK**

**SESSION 3 – EMISSION CONTROL TECHNOLOGY FOR TWO- AND THREE-WHEELED VEHICLES**

Chairperson – Mike Walsh, *International Consultant*

11:00 am                    **Chinese Motorcycle Status of Exhaust Emission and Analysis of Control Course**

Professor Wang Songqin, *Tianjin Motorcycle Technical Center*

11:30 am                    **Meeting the Euro-3 Challenge for 4-Stroke Motorcycles**

John Adomaitis, *Engelhard*

12:00 noon                    **2/3 Wheeler Catalyst Technologies**

Guy Chandler, *Johnson Matthey*

12:30 pm                    **LUNCH**

Keynote Speaker – Merrylin Zaw-Mon, *U.S. Environmental Protection Agency*

**SESSION 3 (continued)**

1:45 pm                    **Catalytic Aftertreatment and 2- and 3-Wheel Vehicles**

Dr. Dale Palke, *Delphi*

2:15 pm                    **Motorcycle Emission Control in India**

Manohar Chaudhari, *Automotive Research Association of India*

2:45 pm                    **Panel of Experts – Questions from the Audience**

3:00 pm                    **BREAK**

**SESSION 4 – EMISSIONS MEASUREMENT AND TESTING**

Chairperson – Fang Maodong, *CVEC*

3:15 pm                    **Beijing I/M Program**

Li Kunsheng, *Beijing Municipal Environmental Protection Bureau*

3:45 pm                    **Remote Sensing Technology in Emissions Testing**

Peter Chen, *Environmental Systems Products Holdings*

4:15 pm                    **Diesel Emissions Testing**

Terry Ullman, *Southwest Research Institute*

4:45 pm                    **Panel of Experts – Questions from the Audience**

6:00 pm                    **RECEPTION/DINNER**

## **DAY 3 – Thursday, April 29, 2004**

### **SESSION 5 – EMISSION CONTROL TECHNOLOGY FOR DIESEL-POWERED VEHICLES**

Chairperson – Dirk Bosteels, *AECC*

- 8:00 am                    **Diesel Emission Control Technology in Review**  
Dr. Timothy Johnson, *Corning Incorporated*
- 8:30 am                    **The Long Road to Clean Diesels**  
Magdi Khair, *Southwest Research Institute*
- 9:00 am                    **Advanced Technologies for Diesel Exhaust Aftertreatment**  
Dr. Liu Jingyin, *Umicore AG*
- 9:30 am                    **Development of Diesel Catalysts for Today's and Tomorrow's Diesel Engines**  
Alfred Reck, *Emitec*
- 10:00 am                **BREAK**
- SESSION 5 (continued)**
- 10:15 am                    **Catalyst Based Diesel Emission Control Technology**  
Kevin Hallstrom, *Engelhard*
- 10:45 am                    **SCR Technology to Meet Future Diesel Emission Regulations**  
Dr. Stefan Fischer, *Argillon*
- 11:15 am                    **Diesel Oxidation Catalyst System for PM Control**  
Dr. Satoshi Sumiya, *Johnson Matthey Japan*
- 11:45 am                    **Emission Solutions to Meet Current and Future Requirements of China Diesel Powered Vehicles**  
Dr. Thomas Pauly, *Delphi*
- 12:15 pm                    **Panel of Experts – Questions from the Audience**
- 12:30 pm                **LUNCH**
- SESSION 6 – DIESEL RETROFIT**  
Chairperson – Kevin Hallstrom, *Engelhard*
- 1:30 pm                    **Hong Kong Old Diesel Vehicles Retrofit Program**  
Ha Kong, *Hong Kong Environmental Protection Department* and Wong Wai Lam, *Hong Kong Environmental Protection Department*
- 2:00 pm                    **Implementation and Installation of DOCs in Hong Kong**  
Raymond Lo, *Dah Chong Hong (Motor Service Centre)*
- 2:30 pm                    **Retrofitting Heavy Duty Diesel Vehicles with Emissions Aftertreatment**  
Dr. Barry Cooper, *Johnson Matthey*

3:00 pm

**BREAK**

**SESSION 6 (continued)**

3:15 pm

**Diesel Exhaust Emission Control Technologies for Asian Market**

Mukaram Syed, *ArvinMeritor*

3:45 pm

**Diesel Pollution Reduction Strategies for Bangkok**

Siwaporn Rungsiyanon, *Thailand Pollution Control Department*

4:15 pm

**Robust Low-Cost EPA-Verified Systems for Diesel Retrofit on Heavy Duty Vehicles**

Tim Rogers, *Clean Diesel Technologies*

4:45 pm

**Retrofit Catalyst Systems for Diesel Engines: The Catalytically-Coated PM-Filter Catalyst**

Uwe Israel, *Twin Tec*

5:15 pm

**Panel of Experts – Questions from the Audience**

5:30 pm

**CLOSING REMARKS**