Reducing air pollution in the car interior
International experts in material testing and validation shed light on global regulations and test requirements for automotive industry

Clean air, outside and inside, is what many people all over the world strive to achieve. The consequences of a rapid industrialisation have caused intense environmental pollution which has a harmful effect on people's health. To reduce pollution, the Chinese government set up standards by implementing the "Environmental Protection Law", guaranteeing personal health of the public and motivating technical advancement. Part of this law is the "Guideline for Air Quality Assessment of Passenger Car" (GB/T 27630-2011) which gives limits for eight components of the in-car air, the so-called VOCs (volatile organic compounds). These volatile substances can be harmful to passengers and occur with different products, especially plastics, rubbers, textile fabrics or glues. According to these guidelines, in China car manufacturers and their suppliers must produce low-emission parts and fabrics to be used in the car. To achieve this, the Chinese industry needs standardised test methods.

At this point the company Shanghai imat automotive technology service Co., Ltd. (YiMa) comes into consideration. As experts in emission testing and material validation with long-term experience imat can support producers and suppliers in China with a deep understanding of the legal and technical requirements of emission testing. The team of well-trained chemists and engineers not only performs a high range of tests but help developing better material according to Chinese and international standards.

To share this knowledge, on July 14 - 15 2016, imat offers an exclusive training session for automotive suppliers and manufacturers as well as all interested people from the plastics industry. The workshop takes place in Shanghai and it comprises lectures and panel discussions by material experts from international suppliers and OEMs, such as BMW, BAIC, VW and approved material suppliers. Participants will get an overview about global strategies of car manufacturers, and about legal and technical regulations and differences. Furthermore, test methods and documentation of results will be in focus. A digression to odour design and odour emissions will round off the sessions.

Programme:

- Smell and emission strategy – SAIC Volkswagen - L. Feng, SAIC Volkswagen Automotive Co., Ltd.
- Innovative automotive interior products for Asian customer requirements and ready for upcoming emission legislation in China - Dr. R. Freudenmann & J. Gu, Benecke-Kaliko AG
- Nose solution: resin material odour and VOC study in Ford - C. Dong & T. Guo, Ford Motor Research & Engineering (Nanjing) Co., Ltd.
- Standardisation of vehicle interior air quality testing: status and trends of ISO 16000 and ISO 12219 series - Dr. D. Holtkamp, Holtkamp Air Quality Improvement
- Methods of emission testing - Dr. M. Holzwarth, imat-uve gmbh
- Mathematical simulation of styrene emission and diffusion in a closed space with limited ventilation - D. Kong, Chery Jaguar Land Rover Automotive Co., Ltd.
- Indoor Air Quality at BMW: Requirements worldwide and their implementation at BMW - A.-M. Krassa & X. Qin, BMW AG
- Vehicle interior odor source investigation method - J. Li, BAIC Motor Corporation Ltd.
- Interior VOCs management trend analysis and corresponding measures - X. Liu, China Automotive Technology & Research Center
- Options for proving odour reduction performance of plastic materials - . Rützel-Grünberg, Olfasense GmbH
- Global OEM requirements - Dr. H.P. Schlegelmilch, imat-uve group gmbh

If interested, please contact: communications@imat-uve.cn Read more on: www.imat-uve.cn

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About imat design & engineering
As a specialist in design and engineering, located in Germany, South Africa, the US and China, imat has many years of experience in design, development and testing of materials, components and systems, in the automotive industry as well as other industries. The company supports its clients along the whole process chain, from the first idea to the finished product.

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Digital graphical material available on request.