



INNOVATIONS. MEET. SYNERGIES.

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First Announcement

## 7<sup>th</sup> AVL Large Engines TechDays

19<sup>th</sup> - 20<sup>th</sup> April, 2016, Helmut-List-Halle, Graz, Austria

## 'SYSTEM INTEGRATION – WAY TO CO<sub>2</sub> REDUCTION AND PERFORMANCE OPTIMIZATION'

From marine to off-road, from stationary power generation to rail traction – all applications of the large engine industry are under high pressure to reduce costs and emissions. The development efforts of the recent past in terms of product upgrade, fuel versatility and emission compliance, resulted in engines with a higher degree of complexity. Not only the intrinsic technology and the individual engineering solutions are now of a higher sophistication, there are new on-engine systems in place, e.g. aftertreatment, while existing systems like fuel, cooling and controls systems, became more complex.

The application as a whole and the specific engine application environment is also coming under higher scrutiny. Opportunities for overall application performance optimization are sought for, identified and addressed. The engine is embedded and interfacing with a number of application-specific systems like mechanical and electrical powertrains, electrical energy storage, scrubbers, waste heat recovery, vehicle cooling and controls systems. OEMs, operators and suppliers are facing complex and challenging individual development topics. At the same time they are presented with the chance of the holistic optimization. Besides the overall engineering and development task at hand,

the system integration effort is procedurally challenged by the stakeholder's distribution among the industry players: operators, OEMs, engineering providers and suppliers. In some cases the system integrator has yet to be identified. Acknowledging the specific needs and chances offered to the large engine industry by the holistic perspective to engineering, and in the belief that the overall optimum is superior to individual optima, AVL selected "SYSTEM INTEGRATION" as the main theme for the 7<sup>th</sup> AVL Large Engine TechDays 2016.

The conference will start with key notes from large engine industry players sharing their views on technology trends and challenges around system integration as a way to reduce CO<sub>2</sub> and optimize performance. Impulse speeches by renowned personalities will shed light on the conference topic from a different angle. The subsequent technical sessions will drill down to the level of integrative and technology solutions for the relevant large engine applications. The traditional closing of the conference will be again by the panel discussion, reflecting on the conference presentations and discussions, enriching the event with personal notes and engaging the audience in a lively dialog with the panelists and among themselves.

## 7<sup>TH</sup> AVL LARGE ENGINES TECHDAYS – 19<sup>TH</sup> - 20<sup>TH</sup> APRIL, 2016



### Conference Venue:

Helmut-List-Halle, Waagner-Biro-Straße 98a, 8020 Graz

### Date:

Monday, April 18<sup>th</sup>, 2016, Welcome Reception in the evening  
Tuesday, April 19<sup>th</sup>, 2016, Conference Day 1, Social evening  
Wednesday, April 20<sup>th</sup>, 2016, Conference Day 2 and optional visit of AVL in the afternoon

### Conference Fee: € 1.150,- (excl. VAT).

Including all meals, welcome reception, social evening, proceedings, visit of AVL inclusive the Large Engines Competence Center in Graz,  
Early booking: € 980,- (until January 15<sup>th</sup>, 2016)

### Conference Language: English

### Detailed Program: Following in January 2016

The AVL Large Engine TechDays were established in 2004 as a forum for information, exchange and networking for the Large Engine industry community, representing manufacturers, suppliers and users. The conference addresses the decision makers as well as the technical management and experts, responsible for product development and innovation processes.