



**X-Noise Workshop  
on  
Exhaust/Intake Systems for General Aviation  
Applications**

**Thursday September 19, 2013**  
*Just after InterNoise 2013*

**Hotel Gauer Bär**  
**Universitätsstrasse 5 – 7, Innsbruck, Austria**



**9:00 Introduction Session**

- Welcome and Workshop Objectives – D. Gély (X-Noise GA Task Group Coordinator)
- **H. Bodén (The Royal Institute of Technology, Sweden)**  
IC-engine source characterization and experimental techniques for acoustic characterization of exhaust system components
- **T. Elnady (Ain Shams University, Egypt)**  
How to Design an exhaust/intake system?

**09:50 Technical Presentations**

- **M. Åbom (The Royal Institute of Technology, Sweden)**  
IC engine gas exchange-NVH research trends
- **Achim Kocks (Gomolzig, Germany)**  
Design and Production of Exhaust Systems
- **David Herrin (The University of Kentucky, USA)**  
Enhancing the Performance of Micro-perforated Panel Absorbers by Designing Custom Backings
- **Kasper Andersen (Dinex, Denmark)**  
Generalized approach for muffler design
- **Samir Gerges (Federal University of Santa Catarina, Brazil)**  
Transmission Loss of Mufflers by Finite Elements
- **Romain Leneveu (Vibratec, France)**  
Exhaust muffler modeling and optimization process

**11:50 Break**

**12:05 Discussion, round table (All)**

- Participants View – The Way forward
- Mufflers strategy development for GA

**12:45 Concluding Session - Chair D. Gély, H. Brouwer (TBC)**

