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)