

**Subject: Measurement and Analysis Solutions for Automotive NVH**

**Date: Wednesday 13th March 2019**

**Location: National Conference Centre, Coventry Road, Bickenhill, Solihull, West Midlands B92 0EJ**

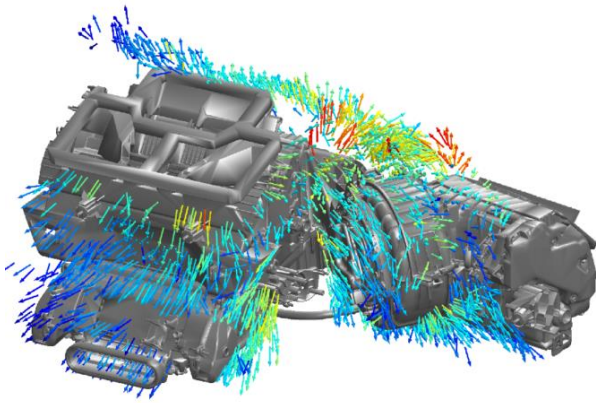
Registration with tea, coffee and snacks is from 9.00am with the first session starting at 9.30am. Lunch and refreshments will be provided. The day will finish by 4.30pm

### *Seminar Agenda*

9.00-9.25	Registration with tea, coffee and snacks
9.25-9.30	Welcome – John Shelton, AcSoft Sound and Vibration
9.30 -10.15	Presentation: <b>The next generation of Specialist Acoustic Sensors for premium NVH data – Lars Winberg, GRAS Sound &amp; Vibration A/S</b>
10.15-10.50	Presentation: <b>Designing damping treatment of a vehicle body based on particle velocity measurements – authors James Tatlow (Bentley Motors Ltd) &amp; Daniel Fernandez (Microflown Technologies)</b>
10.50-1.20	Presentation: <b>Important criteria to select the right accelerometer for NVH – Philippe de Cordemoy, Meggitt Sensing Systems</b>
11.20-11.50	Coffee Break
11.50-12.25	Presentation: <b>Acoustic Camera in powertrain benchmarking and development - Mehregan Bagherpour, Changan UK R&amp;D Centre</b>
12.25-1.10	Presentation: <b>Vibration Testing on electric cars and components - José Luis López, Consultant NVH Engineer</b>
1.10-2.10	Networking Lunch
2.10-2.40	Workshop 1*
2.40- 3.10	Workshop 2*
3.10-3.30	Coffee Break
3.30-4.00	Workshop 3*
4.00-4.30	Workshop 4*

\*Delegates will be allocated to one of four colour-coded groups. Each group will alternate on the four different workshops as shown on the following page.

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# AUTOMOTIVE NVH SEMINAR 2019

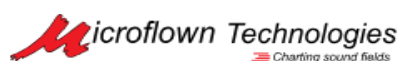
## Presenters:

- **John Shelton** - Technical Director, AcSoft Sound and Vibration and Chair of the Institute of Acoustics' Measurement and Instrumentation Group
- **Lars Winberg** – Automotive Specialist, GRAS Sound and Vibration A/S – The next generation of Specialist Acoustic Sensors for premium NVH data
- **Daniel Fernandez** – CTO, Microflown Technologies – Designing damping treatment of a vehicle body based on particle velocity measurements
- **Philippe de Cordemoy** – Sales Director, Meggitt Sensing Systems - Important criteria to select the right accelerometer for NVH
- **Mehregan Bagherpour** - Principal Powertrain NVH Engineer, Changan UK R&D Centre - Acoustic Camera in powertrain benchmarking and development
- **José Luis López** - Consultant NVH Engineer- Vibration Testing on electric cars and components

## Workshops:

Workshop	Workshop 1	Workshop 2	Workshop 3	Workshop 4
Sound Source Detection with Beamforming and Advanced Algorithms with gfai tech	Green	Blue	Yellow	Red
Noise Source Identification and Ranking Methods using Microflown Sensors	Red	Green	Blue	Yellow
Brake Noise & Engine Noise with John Shelton, Meggitt & Crystal Instruments	Yellow	Red	Green	Blue
Repeatable measurements for TPA Applications using the New GRAS Automotive Sensors	Blue	Yellow	Red	Green

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