



# Engineering Integrity Society CALL FOR PAPERS

## Electrifying Challenges for Road and Tyre Noise 15 May 2019, HORIBA MIRA



Road and tyre noise present a significant challenge to vehicle manufacturers, particularly with the electrification of vehicles. Powertrain noise levels are becoming significantly lower, leading to reduced masking of road noise in the vehicle cabin. With the introduction of additional heavy ancillary components, such as batteries and motors, there is a greater need to reduce vehicle chassis weight making the control of road noise even more challenging. Tyre and suspension specifications are also changing to cope with increased vehicle loads.

This seminar will provide a range of technical presentations that look at the specific challenges in addressing road and tyre noise both inside the vehicle and in the environment. The scope for the seminar will include: legislative and road construction developments, new experimental and analytical methods for understanding and controlling road noise, the impact of electrification on road noise, as well as chassis, sound pack and suspension developments for reducing road noise whilst minimising vehicle weight.

Applicants are invited to submit an abstract of their presentation, consistent with the theme described above. **Closing date for abstract submission is 31 January 2019.**