EASE Loudspeaker Measurements at Salford

After substantial investment, the University of Salford launches a new loudspeaker measurement service; the first UK based service of its kind.

Drawing on the long history of acoustic research and testing at Salford, this initiative, led by audio expert Dr Rob Oldfield in association with the University’s successful commercial Acoustic Test & Calibration Laboratory, will allow loudspeaker manufacturers to perform industry standard EASE loudspeaker measurements in the UK for the first time.

Aimed at UK based pro-loudspeaker manufacturers, we have invested in the Four Audio ELF system, allowing 3-dimensional directivity data to be measured with an angular resolution of up to 1° in both the azimuth and elevation planes. Measurements can also be configured over a customised raster to give the frequency response over a pre-defined set of angles.

The system has been installed in our anechoic chamber which has a background noise floor of -16dB and a cut-off frequency of 100Hz. We can measure loudspeaker systems from just a few cm in diameter up to 1m (with a maximum mass of 100 kg), and data can be viewed as a balloon plot or as polar plots (horizontal and vertical) to show the frequency response over a range of angles. Data is provided in common formats for use in acoustic modelling packages such as EASE.

Measurement Summary
- Directivity, 2D or 3D
- Max SPL
- Impedance
- Output in CLF, EASE, GLL and GSS
(other formats on request)

We are taking booking for loudspeaker testing with immediate effect. For more information or quotations please contact Claire Lomax (c.lomax1@salford.ac.uk) or Rob Oldfield (r.g.oldfield@salford.ac.uk).