



Invitation to the AutomotiveTestingExpo exhibition

SPEKTRA would like to invite you to visit us on the exhibition **AutomotiveTestingExpo in Stuttgart, Germany (16th June – 18th June)**. We will present two new developments besides our worldwide established calibration systems for vibration and acoustic calibration: the vibration control system VCS401 and the shock exciter HOP-MS for shock amplitudes up to 4,000g_n.

See the **Vibration Control System VCS 401** controlling four **long stroke Shaker type APS 113 and APS°400** simultaneously. The four independent control channels (max. eight control channels are possible) allow a controlled output of different signals like sine, random, shock or time signal replication. In sine mode the channels can be coupled with an arbitrary phase angle in relation to a reference channel. Additional to the control channels the system can be equipped with a scalable number of measurement channels which allow to record measurement data from different input devices simultaneously. Come to our booth and receive an impression of the multiple functions of the easy to use and flexible controller software.

Another highlight is the **Medium Shock Exciter HOP-MS** that will be shown for the first time on a trade fair. Based on the Hopkinson-Bar principle it is equipped with a piezo-electric exciter allowing the precisely controlled and well reproducible generation of shock signals with defined shapes and amplitude. Thus it can as well be used as a shock exciter in calibration systems as in test systems e.g. for the **characterization of MEMS**. Catch a glimpse of this fascinating new shock exciter on our booth and discuss your use cases with our experts.

Besides these new products we will also show our well approved **CS18 Calibration System** for vibration and shock calibration as well as for calibration of acoustical devices.

We are looking forward to seeing you.

- AutomotiveTestingExpo 2009, Stuttgart, (16th June – 18th June), stand 1008