

MEET US ON KLIPPEL LIVE

How can you apply the new IEC 60268-21 standard in practice? Or how can you investigate speaker-room interaction? And what is the best way to measure and interpret signal distortion?

These and other topics will be discussed in the new free webinar series **KLIPPEL LIVE** as we continue to educate and support loudspeaker designers and manufacturers around the globe. Over the following months, Prof. Wolfgang Klippel will address interesting topics and challenges R&D and QC engineers face in their daily work in an informative format.

To kick this off, KLIPPEL LIVE starts with a series called **“Acoustical Measurement of Sound System Equipment according to IEC 60268-21”**. This is focused on common problems in testing modern audio devices and solutions provided by the new acoustical measurement standard. This 16 parts series is perfect for anyone working with speakers, head-phone and other audio devices. Along the way, Wolfgang Klippel and other KLIPPEL engineers give tips and discuss how to interpret measurements results and avoid pitfalls. Each session ends with live demos as well as a Q&A session.

This webinar series provides in-depth information on:

- Testing modern audio products (active systems with DSP)
- Simplifying testing and improving diagnostic value
- Performing reliable measurements (without anechoic room)
- Directivity, 3D sound, speaker room interaction
- Measuring the maximum output (SPL_{max})
- Evaluating the quality of the reproduced sound
- Combining physical measurements with perceptual evaluation
- Benefits of international standards
- Benchmarking a product
- Finding an audio product's weak points
- Coping with rub & buzz and other defects
- Improving product design and manufacturing
- Defining target performance
- Generating more output from smaller speakers

The first session **“Modern Audio Equipment Needs Output Based Testing”** starts on **Wednesday, April 22nd, 2020 at 5pm Central European Time**. In this session Wolfgang Klippel will talk in general about the IEC standard, measurements conditions and the consequences for your practical work.

When: Every Wednesday at 5pm Central European Time

Topics:

- **April 22nd, 2020 - Part 1:** Modern Audio Equipment Needs Output Based Testing
- **April 29th, 2020 - Part 2:** Standard Acoustical Tests Performed in Normal Rooms
- **May 6th, 2020 – Part 3:** Drawing Meaningful Conclusions from 3D Output Measurement

Duration: 20-30 minutes

More information about the Upcoming webinars and registration can be found on the [KLIPPEL LIVE site](#).