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AFMG PRESS RELEASE

Simulation of Room Acoustics – Audio Measurements **AFMG: News and Discounts for ProLight+Sound**

Berlin, DE – AFMG, the German software company that has been leading in the field of simulation and measurement of room acoustics since the 1990's, will be present at this year's ProLight+Sound with a booth of their own. Versions 1.2 of both EASERA and SysTune will be released and bring a load of new features for these popular audio measuring programs. With SoundFlow and Reflex AFMG announces two world-firsts in simulation of room and building acoustics. To celebrate, AFMG will give a discount of 20% in April.

Starting at the beginning of this year, AFMG has taken over distribution of its software products in Germany. The company will exhibit at the upcoming ProLight+Sound in Frankfurt, Germany, for the first time with its own booth. Announced are a handful of new products and advancements. Customers from German speaking countries will benefit from a 20% welcome discount on all licenses of EASE, EASERA and SysTune throughout April.

AFMG: hall 8.0, booth G45.

Significant Developments: Four Seminars held by AFMG at the manufacturer's forum

The manufacturer's forum is part of the congress accompanying the ProLight+Sound where companies have the opportunity to present new developments and trends. AFMG will be presenting four topics at the forum:

- Planning and Simulation of Electro-Acoustical Voice Alarm Systems
- Multi-Threading „on demand“ for Everybody Simulating Room Acoustics
- Simulation of Multi-Layered Wall Constructions and Complex Diffusers
- New, Simple and Precise Approaches for Delay-Alignment of Subwoofers

EASE Security – Simple and Fast Prediction of SPL and Speech Intelligibility in Voice Alarm Systems

NFPA 72 and EN 60849 define specific requirements for speech intelligibility (STI) that need to be fulfilled in public buildings and the like. A PA system for emergency use needs to be designed to meet these demands. Engineers and installation companies can now use EASE Security to easily and quickly predict the performance of basically any distributed loudspeaker system. This will help to avoid expensive errors at an early stage of planning.

EASE 4.3 Now Offers Multi-Threading on Demand for the Acoustical Simulation of Rooms

The new AURA Cloud Computing Service is a development of AFMG that will significantly speed up detailed room acoustical investigations. Users who already own EASE 4.2 will receive the upgrade to version 4.3 free of charge. They will then benefit from the opportunity to send their AURA mapping calculations to the AFMG cluster. Massive multi-threading on the cluster will produce results in much shorter time than any powerful PC could while local hardware is not burdened. The results can then be downloaded after receiving a notification email.

AFMG SoundFlow and Reflex: Powerful Add-Ons for Complex Wall Structures in EASE

Developments by AFMG in simulation of room acoustics have always been at the forefront of technology. With AFMG SoundFlow and AFMG Reflex, software developers have now pushed the limits once again: SoundFlow is able to examine reflection and more importantly, transmission properties of multi-layered walls and make acoustical predictions on them. Reflex, on the other hand, provides possibilities to model the complicated geometrical traits of diffusers providing a frequency-dependent forecast of acoustical reflection and diffusion. These data can be used to define the scattering coefficients and absorption of wall materials used in EASE which can in turn considerably improve simulation results in critical rooms.

AUBION X.8 – 8-channel High-End Audio Interface for EASERA und SysTune

The new 8-channel high-quality audio interface AUBION X.8, developed by AFMG in cooperation with DSPECIALISTS will have its premiere at ProLight + Sound as well. The device is Ethernet-based and has 8 inputs and 4 outputs in a rugged, sturdy housing. It was specifically designed for simultaneously measuring multiple channels in real time and can be smoothly integrated with EASERA and AFMG SysTune. The announced retail price is 1.100 €.

EASE – Industry Standard for Acoustical Simulation of Rooms

Since the 1990's, EASE has been setting the worldwide standard for acoustic simulation both inside rooms and in open areas. Rooms can be defined using a CAD module, absorption coefficients can be assigned to surfaces, and sound sources as well as listener positions can easily be added to the model. Data can then be used to generate an exact simulation of reverberation times, speech intelligibility and other acoustical parameters even before the room itself is built.

This is also very useful especially for predicting the performance of loudspeaker models in a suggested acoustical environment. EASE supports this by providing the most extensive loudspeaker database available on the market. EASE SpeakerLab assists loudspeaker manufacturers in continually providing new data in GLL format. SpeakerLab is frequently implemented by more and more manufacturers, and the GLL format provides possibilities to define loudspeakers and controllers in all their parameters. This is singular to the market; EASE continues to be unrivaled in ease of use, flexibility and precision in simulating electro- and room acoustics.

EASERA and SysTune – A Pair for all Requirements in Audio Measurement

AFMG's EASERA is the universal software platform for all acoustical, electronic, and audio technical measurements. It fulfills the highest scientific demands. Beyond that, it has features that allow quick and comprehensive gathering of data in the field which can then be analyzed in depth when back in the office. EASERA has all established measurement signals ready in one coherent and easy-to-learn platform thus providing a multitude of options for measuring and evaluation.

Professionals worldwide value SysTune as the preferred software platform when it comes to analyzing and optimizing sound systems in operation. For this, SysTune provides multi-channel measurements in real time, giving sound engineers precise impulse and frequency responses, as well as delay times – even in the middle of the show with an audience present.

Ahnert Feistel Media Group (AFMG)

Located in Berlin, Germany, AFMG is a worldwide leader in software for the pro-audio industry and has created the industry standards EASE and EASERA software for acoustic simulation and measurement as well as their related products EASE Focus, SysTune, EASE Address and EASE SpeakerLab. AFMG works closely with leading university faculties, manufacturers and design clients to apply the latest developments in acoustical research and computer technology. For more information, including the latest news and forum posts, visit <http://afmg.eu>.

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