

ArtemiS and HEAD Recorder now support not only audio, but video too!

With the HEAD Recorder 2.0.300, you can now record triggered video signals together with audio signals. With ArtemiS 11.0.200 you can play back the video synchronous to the playback cursor in the Mark Analyzer. That way, you see not only the analysis result of the sound you hear, but also a video of the event that has caused the sound. Via the playback dialog in ArtemiS, you can

even vary the playback speed. This allows you to determine precisely which sound is caused by which component, e.g. in a door lock mechanism.

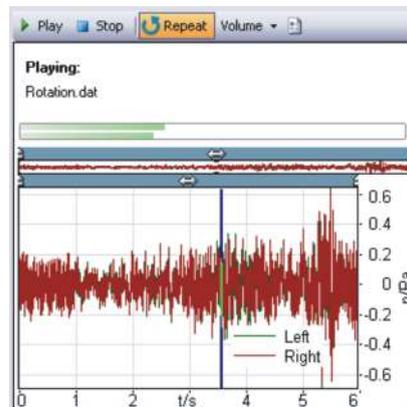
Other new functions of ArtemiS and the HEAD Recorder can be found on our website at

www.head-acoustics.com



Acoustic playback of files within the HEAD Data Portal

With the new version 1.0.200 of the HEAD Data Portal, you can now play sound files in a convenient and time-saving way via the built-in player. In combination with a connected playback equalizer, such as the PEQ V, this allows you to perform aurally accurate listening tests directly within your classified data pool. An optimized user interface of the search function, including full-text search, facilitates your access to the relevant data. Besides many



Player for audio files in the HEAD Data Portal 1.0.200

other improvements (e.g. display of decoded pulse channels), this latest version of the HEAD Data Portal also provides you with extended functions for documenting files.

The playback function is automatically provided with the ArtemiS Service Pack 11.0.200 for all customers owning ArtemiS 11 and the ArtemiS Tool Pack 01 (ArtemiS Playback Module).

Acoustics Tutorial

The new Acoustics Tutorial from HEAD acoustics provides you with a comprehensive and practical overview of the perception and the analysis of sound events. The CD contains information on the subjects of sound quality and binaural recordings, a catalog of analysis functions as well as an intro-

duction to basic analyses and psychoacoustics. Numerous audio examples in the integrated sound library illustrate the methods and applications. For more information on our Acoustics Tutorial, please contact your HEAD acoustics representa-

New website for HEAD consult NVH

The HEAD consult NVH website has been thoroughly redesigned:

www.nvh-consulting.com

Besides the scope of services and the testing facilities, the new site offers many application examples from the field of vehicle acoustics.

Topics

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Events and News 2010

Day of Acoustics 2010

In the fall of 2010, we will again be holding our traditional "Day of Acoustics" workshop on four different days in four German cities. Our experienced acoustics engineers will give presentations on various acoustics topics – in a practical and illustrative manner.

More information will soon be published on our website at www.head-acoustics.com.

07.09.2010	Wuppertal
09.09.2010	Lüneburg
21.09.2010	Nürnberg
23.09.2010	Ludwigsburg

NVH User Group Meeting 2010

This year's NVH User Group Meeting themed "Users benefit from users" will take place in Southern Germany. As in previous years, we will be inviting speakers from the ranks of our business partners to talk about their special applications, their innovative

methods and their experience with our products. Please mark this event on your calendar or sign up now by e-mailing to sales@head-acoustics.de.

27.10. 2010 Southern Germany

Successful start of the Aachen Acoustics Colloquium

Aachen is one of the most important centers for research and development in the field of vehicle acoustics. For this reason, HEAD acoustics GmbH has teamed up with FEV Motorentech-nik GmbH (engine manufacturer), the Forschungsgesellschaft Kraft-fahrwesen mbH Aachen (auto-motive research society) and the Institute for Technical Acoustics of RWTH Aachen (technical univer-sity), who jointly decided to initiate a yearly Aachen Acoustics Collo-quium. With contributions about new methods and technologies in the area of acoustics and vibra-tions of vehicles and engines, this colloquium is geared towards experts in industrial and academic environments.

The first Aachen Acoustics Collo-quium in November 2009 was attended by more than 170 experts, demonstrating the impor-tance of a lively exchange of experience and joint scientific dis-



cussions in the area of vehicle acoustics. In 24 lectures, current and forward-looking topics were presented and discussed in great depth. Furthermore, the colloquium was accompanied by a fasci-nating exhibition, where electric and hybrid vehicles as well as an interactive driving simulator could be tested.

The next Aachen Acoustics Collo-quium will take place on Novem-ber 22-24, 2010. Detailed infor-mation about the colloquium can be found at www.aachen-acoustics-colloquium.com.

22.-24.11.2010 Aachen

Structural Analysis Workshop on November 9 and 11, 2010

With the methods of structural analysis (e.g. operational vibra-tion and modal analysis), the dynamic properties of structures and machines can be examined and represented as animated modes of vibration. These modes help engineers to describe and thus better understand the dynamic behavior of the structure, to identify weaknesses and to find possibilities for optimization. The "Structural Analysis" workshop provides insight into various methods of structural analysis without diving too deep into the mathematics. You can participate free of charge. Simply sign up for one of the two dates by e-mailing to sales@head-acoustics.de.

09.11.2010	Herzogenrath
11.11.2010	Gerlingen

Braving the Storm

The year 2009 was a challenge for us, but we mastered it well. Highly motivated and optimistic, we are moving forward to 2010.

The past year was a turbulent one, which as a consequence of the worldwide financial and economic crisis proved to be a tough stretch of road on an otherwise successful journey that our company has taken to date.

Particularly the NVH business unit was affected by the weak economic development in the automotive industry. Considering this, our company has done a very good job. Besides the market introduction of the HEAD VISOR, a system for the audio-visual location of sound sources, we have held numerous very successful events and product workshops.

We are particularly happy about the fact that, in spite of the very restrictive business travel policies

of some of our customers, we could welcome more than 150 participants to our various events in 2009.



We are very proud of the many positive reactions and the lively participation at the first Aachen Acoustics Colloquium (AAC), which was a complete success.

Other events attended by HEAD acoustics in 2009 included the Automotive Testing Expo in

Stuttgart, Detroit and Shanghai, the DAGA, the Sensor & Test tradeshow, and many other trade exhibitions such as the Aachener Kolloquium Motoren- und Fahrzeugtechnik (Aachen Colloquium of Engine and Vehicle Technology).

Thanks to the broad scope of our fields of business, we will continue to see success in future. Besides the two main focal points NVH and Telecom, we are offering our customers a holistic approach, expert know-how, a comprehensive range of products, professional consulting services and training courses.

We are looking forward to 2010 with confidence and optimism.

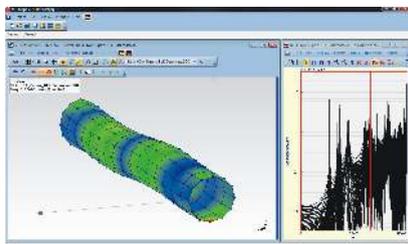
HEAD acoustics Extends Product Range with ME'scope™

The powerful software tools of ME'scope™ now complement our range of products in the area of structural analysis.

ME'scope Visual Engineering Series (ME'scope™) 5.0 from Vibrant Technologies, Inc. is a software environment for operational vibration and modal analysis, which can be integrated easily and seamlessly into the product world of HEAD acoustics.

ME'scope™ facilitates the analysis, representation and documentation of the static, dynamic and acoustic behavior of machines and structures and allows you to create a visual 3D model of an oscillating structure, e.g. natural and operational vibration (ODS). Besides the representation of vibration modes, the software also

supports the visualization of acoustic parameters (sound pressure, sound power and sound intensity), strain, temperature, pressure and other quantities.



With the HEAD Online Analyzer (ArtemiS Tool Pack ATP 08) and the measurement frontends from HEAD acoustics, we are offering you convenient tools for the acqui-

sition of vibration data from the products you are examining. The transfer functions calculated in the ArtemiS Online Analyzer can be exported directly in the ME'scope format and are thus available for immediate further processing in ME'scope™.

ME'scope™ is extremely powerful and versatile in its applications, yet can be operated quickly and intuitively thanks to its straightforward design. The software is modular and can be configured or extended according to your individual needs at any time.

Event Schedule

Tradeshows and conferences with participation of HEAD acoustics

April 19-23, 2010	159 th Meeting of the Acoustical Society of America (ASA) and Noise-Con 2010 Baltimore, Maryland, USA
June 9-11, 2010	6 th International Styrian Noise, Vibration & Harshness Congress Graz, Austria
June 13-16, 2010	Internoise 2010 Lissabon, Portugal
June 28-30, 2010	3 rd Regional Conference in Noise, Vibration and Comfort 2010 Putrajaya, Malaysia
August 23-27, 2010	20 th International Congress on Acoustics (ICA) Sydney, Australia
September 15-18, 2010	EAA Euregio 2010 Ljubljana, Slovenia
September 14-16, 2010	Automotive Testing Expo 2010 Beijing, China
October 4-6, 2010	19 th Aachener Kolloquium Aachen, Germany
November 15-19, 2010	2 nd Pan-American/Iberian Meeting on Acoustics Cancun, Mexico
November 22-24, 2010	AAC 2010 Aachener Akustik Kolloquium Aachen, Germany
November 28-30, 2010	2 nd International SAE Brasil NVH Florianopolis, Brasil

More information about HEAD acoustics at these conferences (booth number, topics of lectures, etc.) can be found on our homepage: www.head-acoustics.de/de/trade_fair.htm

Workshops offered by HEAD acoustics TrainingCenter

ArtemiS	Data Acquisition
ArtemiS Application Examples	Flow Control
ArtemiS Intensive	NoiseBook
ArtemiS Intensive Application Examples	Psychoacoustics
ArtemiS Programming Workshop	Psychoacoustics Application Examples
ArtemiS User-Specific Programming	Signal Analysis
Acoustic Measurement Technology	Visual Basic
Artificial Head Measurement Technology	

Please contact us or see our website if you would like to find out about the training schedule for 2010 or if you would like to obtain more information on the trainings:

E-mail: trainingcenter@head-acoustics.de

Web: www.head-acoustics.de/eng/training_center.htm

The training courses are held at the HEAD acoustics' headquarters at Herzogenrath, Germany, or at your own company's premises.