HOW TESTING SOLUTIONS CAN HELP TO IDENTIFY VIBRATION AND NOISE

RESCHEDULED DATES DUE TO COVID-19 CONCERNS:

Date: 07.07.2020 Rasthaus "Zum Dokl", Hofstätten 113, 8200 Gleisdorf

08.07.2020 Ecoforum - IZ NÖ-Süd Str. 3 M19, 2355 Wiener Neudorf

09.07.2020 Gasthof Hotel Stockinger, Ritzlhofstrasse 63 – 65, 4052 Ansfelden

Registration: via E-Mail office@acam.at

PROGRAM

08:30   Registration & Breakfast

09:00   Welcome

09:05   Root cause analysis of machine vibrations.
There are several tools available within the Siemens test portfolio to get a better understanding of the root cause of machine vibrations in operational conditions. On the basis of a real case, it will be explained how tools such as operational measurement, modal analysis and the digital twin were used to resolve an existing machine vibration problem.

10:00   How to evaluate a sound?
In this session an overview will be given of a complete sound evaluation, starting from how to properly measure the sound. From a simple replay to a replay with filters and sound metrics. And as a final evaluation a jury test.

10:30   Break

11:00   Sound Source Localization
Siemens has released a digital sound camera. The advantages of this camera will be explained together with the different sound source propagation algorithms that are supported.

11:30   New trends in structural testing
Siemens sees a tendency in industry to acquire larger structural databases, more shakers, more spectral lines. This is pushing current parameter estimation algorithms to their limits. A new parameter estimation algorithm will be presented that can handle large databases.

11:50   Identifying component operational forces?
Over the last years, new developments have taken place with respect to force identification in transfer path analysis. The new method will be reviewed and explained and the doors this opens with respect to apply this forces on different system integrations.

12:30   Lunch & Networking
After the event our experts are pleased to answer your questions in a comfortable atmosphere.

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