



Pozývame Vás na

SEMINÁR ÚI SAV,
ktorý sa bude konať online v stredu 3.3. 2021 o 11.00 hod.

Program:

Ing. Sepideh Hassankhani Dolatabadi

(doktorandka ÚI SAV)

Ing. Zoltán Balogh, PhD.

Using machine learning classification to design the predictive maintenance system

Abstrakt:

The implementation of a predictive maintenance approach in a production environment with legacy equipment presents great challenges. One of the challenges concerns the implementation of additional sensing devices on the equipment, which has associated costs that, depending on the desired parameters, may be high. Another challenge may arise when the asset is already collecting the desired parameters but, due to the privacy policies of the companies, some restrictions may be imposed to access the data. The development of a system architecture and a set of tools to monitor the working condition of assets aims to consolidate and to help mature the predictive maintenance implementation so that manufactures can trust such systems and rely on them.

On the seminar, a new approach for an intelligent and innovative predictive maintenance system will be presented. The approach will also be applied for estimation of Key performance indicators of specific engines and compare the current parameters with predicted ones. Such methodology should be developed in order to predict early fault detection by innovative machine learning approach so allow the maintenance technician, or another person to easily verify the system status out of the shop floor.

The research is part of an ongoing project SOON, which will be introduced during the seminar, as well.

Pripojiť sa možno pomocou linku : <https://meet.google.com/obr-qmka-ahj>

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