

北海道大学 大学院工学研究院 材料科学部門主催

共催：腐食防食学会北海道支部
表面技術協会北海道支部

第 103 回マテリアルセミナー

下記の要領で第 103 回マテリアルセミナーを開催いたします。多数ご参加くださいますようご案内申し上げます。

記

日時：平成 29 年 6 月 15 日（木）10 時 30 分 ～ 12 時 00 分

場所：フロンティア応用科学研究棟 2F セミナー室 2

Aircraft Prognosis & Health Management

By

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Abstract

Advances are taking place globally in the industries on developing affordable technologies in the domain of IVHM(Integrated Vehicle Health Management) in aerospace, land and marine vehicles. The objectives are to reduce the cost of sustainment of the vehicles, their increased availability and increased safety.

The presentation will introduce the subject particularly focusing on Air Vehicles and discuss various tasks related to the IVHM that includes, physics of failure(PoF), FMECA, Data Analytics, Sensors applications and others. The PoF leads to the development of Prognostics algorithms to predict the onset of failure and estimate the remaining useful life of components of the air vehicle. Some examples taken from a Gas Turbine will be presented.

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