



# phme22

TURIN (Italy) - 6/8 July 2022

<https://phm-europe.org/>

## CALL FOR ABSTRACTS

Special Session on

*Prognostics and Health Management for Oil and Gas industry*

### **Description**

The role of PHM in O&G industry to increase asset reliability and utilization while reducing cost of service delivery. PHM and risk based decision-making methods have a crucial impact on delivering optimum maintenance decisions, improve reliability and increase mission success rate by matching the asset configuration to the operational context. The challenge is how to use multiple input channels such as historical failure database, historical environmental exposure, asset configurations, manufacturing data and future operational context to reach this objective.

### **Motivation**

Drop in oil prices over the past years had a negative impact on the oil and gas industry profit margins. In this downturn the strategy is to increase asset reliability and availability while reducing cost of service delivery. This can be achieved by enabling advanced maintenance strategies using state of the art PHM and risk based decision-making methods.

### **Objective**

To bring together a multidisciplinary industrial and academic base of researchers to discuss their successes and challenges in the PHM field for oil and gas industry. Interesting topics to discuss besides data, physics and hybrid approaches can be risk indicators and reliability-based decision support.

**Please Submit your abstract by February 14, 2022**

<https://phm-europe.org/registration>

Please submit your abstract through the conference website. Also, please send a copy of the abstract by email to the special session organizers.

### **Organizers**

Ahmed Mosallam, [amosallam@slb.com](mailto:amosallam@slb.com)  
Schlumberger

Zeina Al Masry, [zeina.al.masry@ens2m.fr](mailto:zeina.al.masry@ens2m.fr)  
FEMTOST Institute