

WORKSHOP

Advanced Production & Monitoring for the **INDUSTRY4.0**

ORGANIZING COMMITTEE

Marco Reis, University of Coimbra
Henriqueta Nóvoa, University of Porto
Tiago Rato, University of Coimbra

PROGRAM

09:00 - Registration

09:15 - Opening session

09:30 - 12:45 – **Industrial Session**

09:30 - Pedro Delgado (Bosch Car Multimedia)

10:10 - José Ataíde (The Navigator Company)

10:50 – *Coffee break*

11:20 - Francisco Almada Lobo (CRITICAL Manufacturing)

12:00 - Discussion, Moderator: Alcibiádes Guedes (President INEGI)

12:45 – *Lunch*

14:30- 17:50 – **R&D Session**

14:30 - Enrique Del Castillo (Distinguished Professor, Penn State)

15:20 - César Toscano (Inesc Tec)

16:00 – *Coffee break*

16:30 - Marco Reis, Tiago Rato (DEQ-UC)

17:10 - Discussion, Moderator: Norberto Pires (DEM-UC)

17:50 - Closing remarks & meeting adjourn

WORKSHOP DESCRIPTION:

Industry 4.0 is leading us to an era where the amount and diversity of industrial data is greater than ever. The large amounts of complex data also offer new opportunities for developing and implementing advanced process monitoring approaches that can lead to further improvements in product quality and production efficiency. This workshop aims to discussing current challenges and trends in process monitoring in the views of industry and academia. The Industry Session will focus on the current challenges and practical applications of applying monitoring schemes in production systems for Industry 4.0. Furthermore, potential benefits in the plant shop floors will be addressed and discussed. In turn, the Academic Session will provide insights on recent proposals and solutions to address the characteristics of industrial data and the complexity of systems and products to be monitored, including the new additive processes and large processing industries. Both sessions will end with round tables to stimulate the discussion between the speakers and audience.

INDUSTRY4.0

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Support