



Open Invited Track, IFAC World Congress 2017, Toulouse, France, 9-14 July 2017

Industrial Performance Measurement and Management

Organised by

Dr Lamia Berrah, University of Savoie, France Lamia.Berrah@univ-savoie.fr and
Dr François Vernadat, University of Lorraine, France vernadat30@gmail.com

For IFAC Technical Committee TC 5.2

Abstract: The aim of this special track of the IFAC World Congress 2017 is to bring together leading experts on performance measurement and management for industrial systems to exchange ideas by making state-of-the-art analyses of their respective fields and presenting latest advances and results in their specific research domains.

Track description:

Performance management, and especially its three major components, performance measurement, performance assessment and performance visualisation, remains an essential tool for efficient, effective and economic management of industrial systems as well as public or private organisations, be they in the industrial, service or administrative sectors. This also concerns any kind of supply chains.

Over the years, performance management has shifted its focus from pure financial criteria, mostly to measure profitability, to ever more non-financial criteria, to deal with productivity and quality concerns, then with QCD (quality-cost-delay) paradigms and more recently with flexibility, integration, reactivity, agility or sustainable growth. In addition, new variables are usually being considered in the performance assessment equation (e.g. risk, trust, value, sustainability or innovation capacity in addition to traditional cost, quality and delay variables). Finally, approaches, tools and methods for performance measurement and evaluation as well as paradigms and structures of Performance Measurement & Management Systems (PMMSs) must be regularly revisited because the business strategies and the management approaches of enterprises must be continuously adapted to evolving or rapidly changing business conditions, locally or worldwide. Finally, tools and techniques for performance visualisation are also rapidly evolving for advances on visual management.

On the academic side, the consequence has been a significant and continuous increase of research papers published with a proliferation of new methods, tools, approaches and types of performance indicators for performance management.

Papers accepted in sessions of the track will present state-of-the-art assessments on respective areas of the authors as well as new and recent advances in various topics of performance measurement, management or visualisation.



Submission process:

Intentions to contribute a paper to this open invited track should be sent no later than **30 September 2016** to the track organisers:

Dr Lamia Berrah, University of Savoie, Annecy, France (Lamia.Berrah@univ-savoie.fr)

Dr François Vernadat, University of Lorraine, Metz, France (vernadat30@gmail.com)

Submission of full papers will be due by **31 October 2016**. They must be prepared in PDF according to IFAC format and uploaded electronically using the IFAC PaperPlaza conference manuscript management system: www.ifac.papercept.net with indication of the code of the track. Detailed instructions on how to submit the paper for the reviewing process will be given to authors selected for the Open Invited Track. All papers accepted must be presented.