

# BP-Meet-IoT

## Panel on

# “Business Process Management meets Internet of Things: old wine in new bottles ?”

# Panelists

- ❖ Moderator : Massimo Mecella (me)
- ❖ Agnes Koschmider
- ❖ Estefanía Serral Asensio
- ❖ Victoria Torres
- ❖ Barbara Weber
- ❖ Massimiliano de Leoni
- ❖ Marcello La Rosa

# Introducing Agnes

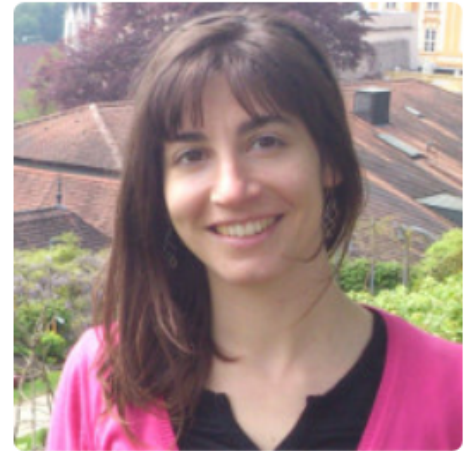
- ❖ Temporary Professor of Applied Informatics, Karlsruhe Institute of Technology, Germany
- ❖ Involved in the BPM area for more than 15 years
- ❖ Research Interests
  - Business process modeling & analysis
  - BPM and IoT for automatic behavior analysis
  - Simulation-based techniques for autonomous driving
  - Digital platforms



→ new BPM text book

# Introducing Estefanía

- ❖ Assistant Professor at TUe  
Senior researcher at KU Leuven
- ❖ Previously researcher at TU Wien and UPV
- ❖ Research Interests:
  - IoT in BPM
  - Context-Adaptive BPs
  - Model-Driven Development
- ❖ 75 research papers (ESWA, SOSYM, MTAP, CAiSE, ER, ...)
- ❖ 5 best paper awards
- ❖ Organizing Chair of POEM 2017, Co-chair of several workshops, PC member of conferences such as UIC, ISWC, REFSQ, CIBSE, ...



# Introducing Victoria

- ▶ Associate Prof. at Universidad Politécnica de Valencia (UPV)
- ▶ Researcher member at PROS Center
- ▶ Ph.D. in Computer Science (2008) at UPV
- ▶ Participating in ITEA EU projects since 2010
  - ▶ OPEES (2010-2012): Open Platform for the Engineering of Embedded Systems
  - ▶ SITAC (2013-2015): Social Internet of Things: Apps by and for the Crowd
- ▶ Working topics:
  - ▶ BP Families
    - ▶ Managing BP variants
    - ▶ Defining indicators
  - ▶ Ubiquitous BPs
    - ▶ IoT Services (National Project - HUMANISE )
    - ▶ Dynamic services discovery (Collaboration with Extremadura)
  - ▶ End-user tools for service compositions (EU Project - SITAC)
    - ▶ Mobile devices



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# Introducing Barbara

- ❖ Professor of Software Engineering and Head of the Software Engineering Section at the Technical University of Denmark, Denmark
- ❖ 130 publications on BPM and related topics
- ❖ Research Interests
  - Process of process modeling
  - Human and cognitive aspects of IS engineering
  - Neuro-adaptive information systems
  - Process mining



Assistant Professor in Computer Science  
Faculty of Mathematics and Computer Science  
Eindhoven University of Technology (The  
Netherlands)

Area of expertise and research:

- History-aware Decision Support Systems
- Discovery and Analysis of Decision Rules in Business Process
- Multi-perspective Process Discovery
- Multi-perspective Compliance Checking (Auditing)
- KPI Prediction and Recommender Systems
- Multi-dimensional Process Mining



# Introducing Marcello

- Professor of Information Systems at the Queensland University of Technology, Brisbane, Australia
- Over 100 publications on BPM and related topics, with a focus on process mining, modeling and automation
- Leader of the open-source initiative Apromore (process analytics) and one of the creators of Nirdizati (predictive monitoring)
- Trained hundreds of students and practitioners in BPM in Australia and overseas, for over ten years
- His textbook on “Fundamentals of BPM” is used in more than 200 institutions, and his MOOCs have attracted over 25,000 participants worldwide
- More information: [www.marcellolarosa.com](http://www.marcellolarosa.com)





# Questions to experts

- ❖ Is BPM and IoT a really new research sub-line or just another buzzword ?
  - If yes why (make an example) ?
  - If no why (make counter-example) ?
- ❖ Which methods/technologies from BPM are more useful for application in IoT ?
- ❖ Which aspects of IoT are more interesting in BPM ?
- ❖ IoT produces big data. Is this an issue or opportunity for BPM ? How do we address it ?