

**Tuesday 25 March 2014**

**15h00**

**UT3 Paul Sabatier, IRIT, Auditorium J. Herbrand**

**Wil VAN DER AALST**

**Technische Universiteit Eindhoven (Pays-Bas)**

**"Mine Your Own Business" : Evidence-Based BPM  
using Process Mining**

*Abstract:* Recently, process mining emerged as a new scientific discipline on the interface between process models and event data. Whereas conventional Business Process Management (BPM) approaches are mostly model-driven with little consideration for event data, the increasing availability of high-quality data enables management decisions based on "evidence" rather than PowerPoints or Visio diagrams. Process mining can be used to (better) configure BPM systems and check compliance. Moreover, the high-quality event logs of BPM systems allow for advanced forms of process mining such as prediction, recommendation, and trend analysis. The challenge is to turn torrents of event data ("Big Data") into valuable insights related to performance and compliance. The results can be used to identify and understand bottlenecks, inefficiencies, deviations, and risks. Process mining helps organizations to "mine their own business" : they are enabled to discover, monitor and improve real processes by extracting knowledge from event logs. In his talk, prof. Wil van der Aalst will provide an overview of this exciting field that will become more and more important for BPM.

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*Short biography:* Prof.dr.ir. Wil van der Aalst is a full professor of Information Systems at the Technische Universiteit Eindhoven (TU/e). He is also the Academic Supervisor of the International Laboratory of Process-Aware Information Systems of the National Research University, Higher School of Economics in Moscow. Moreover, since 2003 he has a part-time appointment at Queensland University of Technology (QUT). His research interests include workflow management, process mining, Petri nets, business process management, process modeling, and process analysis. Many of his papers are highly cited (he has an H-index of more than 105 according to Google Scholar, making him the European computer scientist with the highest H-index) and his ideas have influenced researchers, software developers, and standardization committees working on process support. He is editor/member of the editorial board of several journals, including *Computing*, *Distributed and Parallel Databases*, *Software and Systems Modeling*, the *International Journal of Business Process Integration and Management*, the *International Journal on Enterprise Modelling and Information Systems Architectures*, *Computers in Industry*, *Business & Information Systems Engineering*, *IEEE Transactions on Services Computing*, *Lecture Notes in Business Information Processing*, and *Transactions on Petri Nets and Other Models of Concurrency*. In 2012, he received the degree of doctor honoris causa from Hasselt University. In 2013, he was appointed as Distinguished University Professor of TU/e. He is also a member of the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandsche Maatschappij der Wetenschappen) and the Academy of Europe (Academia Europaea).

Seminar

05 61 55 65 10

info@irit.fr

www.irit.fr

