

EMISA 2021

11th International Workshop on Enterprise Modeling and Information Systems Architectures

Thursday, May, 20th	Friday, May, 21st
09:00 – 09:10: Workshop opening	
09:15 – 09:45: Keynote Peter Fettke	09:00 – 09:30: Keynote Rafael Accorsi
09:45 – 10:45: Session 1	09:30 – 10:30: Session 5
10:45 – 11:15: Break	10:30 – 11:00: Break
11:15 – 12:15: Session 2	11:00 – 12:30: Session 6
12:15 – 13:00: Lunch time	12:30 – 13:30: Lunch time
13:15 – 14:30: Session 3	13:30 – 14:00: Keynote Iris Reinhartz-Berger
14:30 – 15:00: Break	14:00 – 15:00: Session 7
15:00 – 15:30: Session 4	
15:30 – 16:00: Keynote Nathalie Baracaldo	
16:00 – 17:00: Working Group	
17:30 – 19:30: General meeting GI SI EMISA	

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Keynote 1

Peter Fettke

(Deutsche Forschungszentrum für Künstliche Intelligenz)



Keynote 2

Nathalie Baracaldo
(Manager, IBM Research)



Keynote 3

Rafael Accorsi
(PwC Switzerland)



Keynote 4

Iris Reinhartz-Berger

(University of Haifa)



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Programm

May 20th, 2021

- 09:00-09:10** **Opening**
- 09:15-09:45** **Keynote Peter Fettke**
- 09:45-10:45** **A Framework for Managing Enterprise Architecture Debts - Outline and Research Directions**
Peter Alexander, Simon Hacks, Juergen Jung, Ulrike Steffens, Ömer Uludag and Horst Lichter
- The Diverse Ends-in-View of Research on Business Processes and Organizational Routine**
Jan Mendling, Nicholas Berente, Stefan Seidel and Thomas Grisold
- Business process representation and performance of different task types**
Hamzah Ritchi, Mieke Jans, Jan Mendling and Hajo A. Reijers
- Towards Intelligent Personal Task and Time Management: Requirements and Opportunities for Advanced To-do Lists**
Michael Fellmann, Fabienne Lambusch and Maria Dehne
- 10:45-11:15** **Break**
- 11:15-12:15** **Monotone Precision and Recall Measures for Comparing Executions and Specifications of Dynamic Systems**
Artem Polyvyanyy, Andreas Solti, Matthias Weidlich, Claudio Di Ciccio and Jan Mendling
- Estimating Process Conformance by Trace Sampling and Result Approximation**
Martin Bauer, Han van der Aa and Matthias Weidlich
- Partial Order Resolution of Event Logs for Process Conformance Checking**
Han van der Aa, Henrik Leopold and Matthias Weidlich
- Process Model Discovery from Sensor Event Data**
Dominik Janssen, Felix Mannhardt, Agnes Koschmider and Sebastiaan J. van Zelst
- 12:15-13:00** **Break**

13:00-14:30 **Showing the Advantages of Pull over Push Production with the Aid of Petri Nets**

Carlo Simon, Stefan Haag and Lara Zakfeld

Data Science Methods for Declarative Process Mining

Nico Grohmann and Gottfried Vossen

On the Declarative Paradigm in Hybrid Business Process Representations: A Conceptual Framework and a Systematic Literature Study

Amine Abbad Andaloussi, Andrea Burattin, Tijs Slaats, Ekkart Kindler and Barbara Weber

Modelle im alten Ägypten - Anwendung und Implementation eines neuen Modellbegriffs

Kim-Fabian Wachlin

Toward a Taxonomy of Modeling Difficulties: A Multimodal Study on Individual Modeling Processes

Kristina Rosenthal and Stefan Strecker

A Case-Study to Teach Process-Aware Information Systems

Carlo Simon and Stefan Haag

14:30-15:00 **Break**

15:00-15:30: **Towards Privacy-Preserving IoT Systems Using Model Driven Engineering**

Judith Michael, Lukas Netz, Bernhard Rumpe and Simon Varga

Quantifying the Re-identification Risk of Event Logs for Process Mining

Saskia Nuñez von Voigt, Stephan Fahrenkrog-Petersen, Dominik Janssen, Agnes Koschmider, Florian Tschorsch, Felix Mannhardt, Olaf Landsiedel and Matthias Weidlich

15:30-16:00 **Keynote Nathalie Baracaldo**

16:00-17:00 **Working Group**

17:30-19:30 **General Meeting GI SI EMISA**

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May 21th, 2021

- 09:00-09:30** **Keynote Rafael Accorsi**
- 09:30-10:30** **Research Challenges for the Modelling of the Resource and Organizational View**
Ralf Laue and Thomas Bauer
- Requirements and Effects on Companies and Employees of Idea Management Systems in SMEs**
Michael Poppe
- A Consolidated Framework for Implementing Robotic Process Automation Projects**
Lukas-Valentin Herm, Christian Janiesch, Alexander Helm, Florian Imgrund, Kevin Fuchs, Adrian Hofmann and Axel Winkelmann
- Conceptual Modeling in a Digital World: A New Framework and Research Agenda**
Jan Recker, Roman Lukyanenko, Mohammad Jabbari, Binny Samuel and Arturo Castellanos
- 10:30-11:00** **Break**
- 11:00-12:30** **Exploiting Internet of Things for Business Process Improvement**
Christoph Stoiber
- End-User Development of Internet of Things Processes in Augmented Reality**
Ronny Seiger
- Future Research Directions for Improved Service Modeling**
Benedikt Reitemeyer and Hans-Georg Fill
- Ontology-Based Process Modelling - Will we live to see it?**
Carl Corea, Michael Fellmann and Patrick Delfmann
- Revenue Management Systems as Symbiotic Analytics Systems: Insights from a Field Study**
Catherine Cleophas, Claudia Schütze and Monideepa Tarafdar
- Conformance Checking with Regulations – A Research Agenda**
Luise Pufahl and Jana-Rebecca Rehse

12:30-13:30

Break

13:30-14:00

Keynote Iris Reinhartz-Berger

14:00-15:00

Drivers and Barriers for Microservice Adoption

Holger Knoche and Wilhelm Hasselbring

Human Behavior, Goals and Model-Driven Software Engineering for Assistive Systems

Judith Michael, Bernhard Rumpe and Simon Varga

Software Design Patterns for AI-Systems

Marius Take, Sascha Alpers, Christoph Becker, Clemens Schreiber and Andreas Oberweis

Towards an Architecture for Assistive Process Execution Environments

Birger Lantow, Michael Fellmann and Felix Holz