

Lisbon

SIMUL-SC 2022

The Process-Simulation.Center

C. Simon · S. Haag · L. Zakfeld



The Process-Simulation.Center

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**"Without a suitable tool,
the potential of Petri nets
is more and more forgotten"**

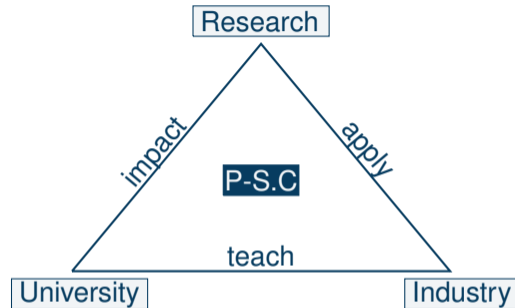


Introduction

- Studied Informatics and Information Systems at the University of Koblenz-Landau, Germany.
- Applied process thinking to automation technology in the chemical industry for his PhD-Thesis.
- Considered electronic negotiations from a process perspective for his state doctorate.
- Between 2007 and 2015 Professor for Information Systems at the Provdavis School of Technology and Management Frankfurt/Main.
- Since 2015 Professor for Information Systems at the University of Applied Sciences Worms, Germany.

The Triad of *P-S.C*

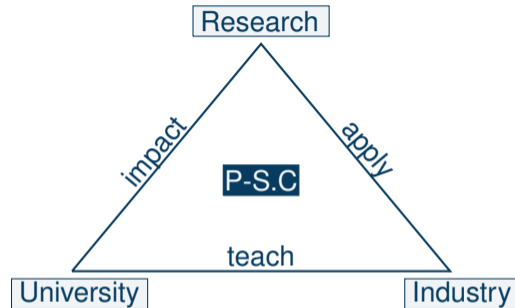
- How can the consequences of management decisions on the environment and people be predicted and optimized?
- How can processes based on Petri nets be simulated multiperspectively?



With the *P-S.C*, it's possible to create contributions to research, practical teaching and industrial application

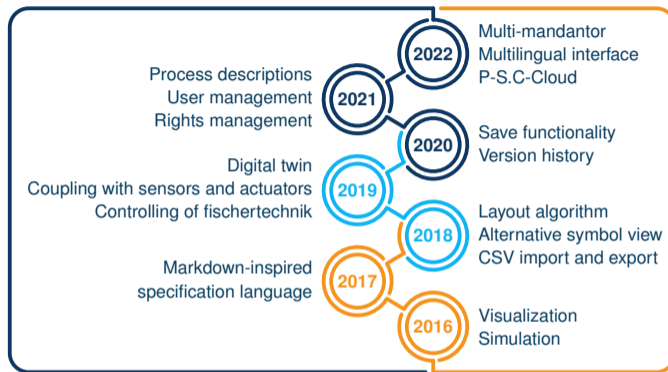
The Triad of *P-S.C*

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Development of the P-S.C

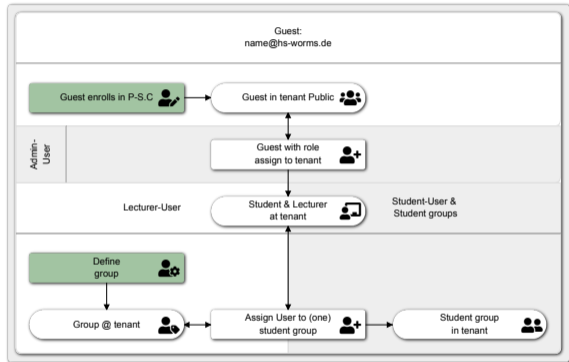


Mandators, Roles and Groups ...

Different types of mandators:

- Public
- Academic
- Consulting
- Tutorial

in a
multi-mandator-capable
system



... meets Models, Rights and an Approval Process

The screenshot displays the 'Process-Simulation.Center' web application. The interface is divided into a left sidebar, a top navigation bar, and a main content area.

Left Sidebar:

- Process-Simulation.Center
- zakfeld@hs-worms.de
- GAPS Research (Lecturer)
- Models (7)
- Model list
- Users
- Define groups
- Build groups
- Settings
- Logout
- Tutorial (11)
- FAQ
- Terms of Use
- Privacy Statement
- Legals

Top Navigation Bar:

- Search icon
- Navigation arrows: << < > >>
- Profile icon

Main Content Area: Model data

| |
|--|
| Industry project |
| Reference name |
| ECMS 2022 |
| 4 |
| Working version |
| 27.06.2022, 12:32:05 |
| zakfeld (Lara Zakfeld) |
| zakfeld (Lara Zakfeld) |
| Research Team: haag (Stefan Haag), haggio, simon (Carlo Simon), zakfeld (Lara Zakfeld) |
| zakfeld (Lara Zakfeld) |
| May request an approval |
| May comment the modell |
| Can't see the model |
| DGe |
| English |

Bottom Bar:

- Dr. Carlo Simon
- 24 / 42 (42 total)

Let's have a closer look..

...into - **our lab** - the Process-Simulation.Center in EN

<https://process-simulation.center/index.php?lang=en>

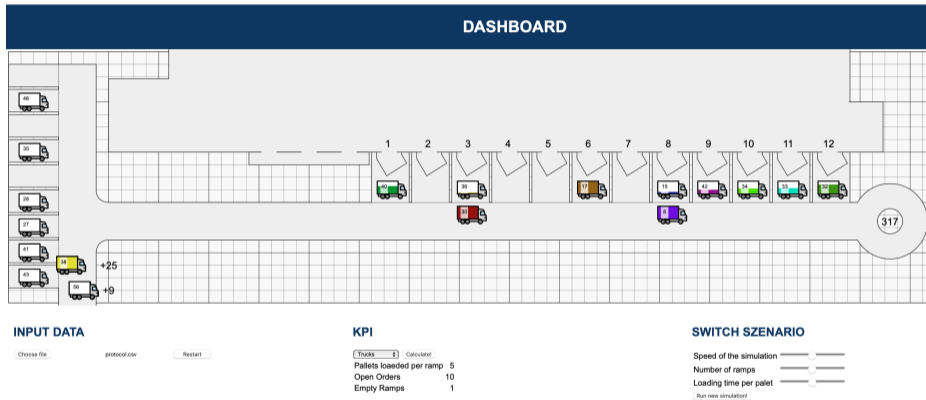


P-S.C is used in teaching, research and practice

Here an example from industry:



From Model to Visualization



next step: Interactive Dashboard

Feel free to ...

.... follow the **Group for Applied Process Simulation (GAPS)**

<https://www.hs-worms.de/gaps/>



... reach out for an exchange on education or implementation!

Hansen, H. R.; J. Mendling und G. Neumann (2019): *Wirtschaftsinformatik*. De Gruyter - Oldenbourg, Berlin, 12. Aufl. German, transl. *Business Information Systems*.