






Dr. Carlo Simon

Professor

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Profile

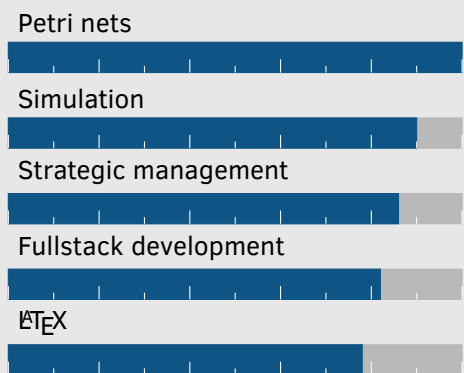
Since 2015, Carlo Simon is Full Professor for Business Information Systems at Hochschule Worms, Germany. Before that, he was Full Professor at the Provalid-School in Frankfurt and part of the management.

With his background in Computer Science and Economics, Simon specialised in modelling, analysis and simulation of dynamic systems with the aid of Petri nets. He also worked as a consultant for strategic process management in the pharmaceutical and chemical industries.

Simon's personal project is the development of an Integrated Management System on the base of Petri nets which is free for academic use and open to industry projects.

Simon wrote three books, several book chapters, conference and journal papers on process management and especially resource triggered process simulation.

Skills



The skill scale is from 0 (Fundamental Awareness) to 5 (Expert).

Experience

Present	Full Professor	Hochschule Worms, University of Applied Science
10/2015	<ul style="list-style-type: none"> • Head of the Group for Applied Process Simulation (GAPS) • Main courses in process management, software development and scientific writing • Development of the Process-Simulation.Center • Researcher for process management and simulation 	
09/2015	Vice President	Provalid School of International Management & Technology
02/2013	<ul style="list-style-type: none"> • Responsible for Research and Teaching • Initiating a Master of Science in Technology & Management 	
09/2015	Full Professor	Provalid School of International Management & Technology
09/2007	<ul style="list-style-type: none"> • Dean Department of Business Information Management • Strategic consulting in the Industriepark Höchst 	
08/2007	Post Doc (C1)	University Koblenz-Landau
09/2001	<ul style="list-style-type: none"> • Habilitating on Negotiation Processes • Formal specification of timed processes 	
08/2001	Project Manager	SER Technology Deutschland GmbH
04/2001	<ul style="list-style-type: none"> • Archiving and Document Management Systems 	
02/2001	Research Assistant	University Koblenz-Landau
03/1996	<ul style="list-style-type: none"> • Petri net based methods to prove dynamic systems • Tool to automatically generate code for controllers from process models 	

Education

2007	Habilitation, Dr. habil.	University Koblenz-Landau
	Thesis: Negotiation Processes	
2001	Ph.D., Dr. rer. nat.	University Koblenz-Landau
	Thesis: A Logic of Actions and Its Application to the Development of Programmable Controllers	
1996	Diploma in Computer Science	University Koblenz-Landau
	Thesis: Programmieren mit Netz-Spezifikationen	

IARIA-Publications

2022	Simon, C.; Haag, S.; Zakfeld, L.: The Process-Simulation.Center. SIM-SC: SIM-SC : Special Tack at SIMUL 2022, pp. 74-77
2022	Zakfeld, L.; Haag, S.; Simon, C.: Informal Ways to Educate About Formal Modeling and Simulation with Petri Nets. SIM-SC: SIMUL 2022, pp. 38-43
2021	Simon, C.; Zakfeld, L.; Jensen, C. E.; Klietsch, D.; Montag, M.: Can simulation prevent companies from the bullwhip trap? SIM-SC: Special Tack at SIMUL 2021, pp. 31-37
2021	Simon, C.; Haag, S.; Zakfeld, L.: Requirements for Highly Integrated Management Systems. SIMUL 2021, pp. 58-64
2021	Simon, C.; Haag, S.; Zakfeld, L.: Simulation of Push- and Pull-Processes in Logistics. International Journal On Advances in Software. Bd. 14. H. 1&2., pp. 88-106
2020	Simon, C.; Haag, S.; Zakfeld, L.: Clock Pulse Modeling and Simulation of Push and Pull Processes in Logistics. SIMMaApp : Special Track at SIMUL 2020, pp. 31-36
2020	Haag, S.; Zakfeld, L.; Simon, C.; Reuter, C.: Event Triggered Simulation of Push and Pull Processes. SIMUL 2020, pp. 68-73

Best Paper Awards

2022	SIMUL 2022 in Lissabon, Portugal together with L. Zakfeld and S. Haag
2020	SIMUL 2020 in Porto, Portugal together with S. Haag, L. Zakfeld and C. Reuther