

Special issue on:
Design Science in Organizations

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Guest editors:

Dr. Daniel Pacheco Lacerda

Associate Professor of Production and Systems Engineering
Department of Production Engineering
Universidade do Vale do Rio dos Sinos
São Leopoldo, RS, Brazil
(+55) 51-3591-1122, dlacerda@unisinis.br

Dr. Paulo Augusto Cauchick-Miguel

Associate Professor of Production and Systems Engineering
Department of Production Engineering
Federal University of Santa Catarina
Florianópolis, SC, Brazil
(+55) 48-3721-7003, paulo.cauchick@ufsc.br

Joan van Aken, Ph.D.

Professor Emeritus of Organization Science
School of Industrial Engineering
Eindhoven University of Technology
Eindhoven, The Netherlands
vanaken@dsri.eu

Dr. Raymond Opdenakker

Department of Industrial Engineering & Innovation Sciences
Eindhoven University of Technology
Eindhoven, The Netherlands
R.J.G.Opdenakker@tue.nl

Editorial manager:

Aline Dresch, M.Sc.

Lecturer of Production Engineering
Department of Production Engineering
Universidade do Vale do Rio dos Sinos
São Leopoldo, RS, Brazil
(55) 51-3591-1122, aldresch@unisinis.br

Main topic:

Design science as a tool to develop, manage and assess organizational and inter-organizational artifacts, practices, and innovation.

Aims and scope:

The debate on rigor and relevance is popular among scholars, with renewed interest emerging from time to time. Design Science Research (DSR) is usually seen as one of the best options for those trying to address both rigor and relevance to good degree in their academic endeavors coupled with interventions in the organizational realm. DSR is a method aimed at the design and implementation of artifacts that improve organizational measures in a number of dimensions. Its origins can be traced back to Herbert Simon's intents to put theory and practice in touch with each other.¹

For the most part, DSR initiatives have a thrust towards theory, with a myriad of approaches guiding the application of DSR for academic interests. However, the DSR tradition is still in need of discussing its actual outcomes in empirical settings, in particular the effective gains for organizational practice. For instance, how is scholarly knowledge been guiding artifact design, and what is the type of scholarly knowledge that results from artifact design? Or, what is the precise relationship between DSR-based artifacts and organizational outcomes, and how is an artifact seen by the organizational stakeholders? The scholarly community worldwide seems not to have clear answers to such questions, maybe because the community is still witnessing the materialization and impact of the first generations of DSR organizational artifacts.

This special issue is thus interested in contributing to rigor and relevance in the DSR domain by attracting sound conceptual works that discuss what we currently have as empirical knowledge in organizations of all kinds worldwide. Theoretical papers such as those based on purely innovative thinking or literature reviews are not within the scope of this special issue, unless they convey outstanding insights to advance applied knowledge. On the other hand, purely applied papers such as industry surveys or case reports are also out of scope. DSR-related artifact design, organizational practices and innovation processes are particularly welcome, provided that they are based on solid conceptual models. The list of topics of interest is fairly broad on applying DSR in fields such as:

- operations management
- information and communication technologies
- human resource management
- supply chain management
- relationship marketing and social marketing
- business administration
- public policies and planning
- finance and accounting

¹ Simon, H. A. (1996). *The sciences of the artificial*. Cambridge, MA, MIT Press.

Important dates:

Two-page proposal by authors (optional):	December 15, 2018
Deadline for submission of full papers:	March 15, 2019
Initial decision sent to authors:	June 30, 2019
Deadline for revised papers:	September 15, 2019
Notification of acceptances:	October 31, 2019
Deadline for final versions:	November 30, 2019
Publication:	January 2020

Please submit papers through BAR's submission system (<http://www.anpad.org.br/bar>), mentioning that the submission is for this special issue. All submissions will be subject to the regular double-blind peer review. The special issue editors will select associate editors and reviewers from BAR's editorial boards to work in the review process.

Special issue editorial team:

Dr. Daniel Pacheco Lacerda holds a PhD degree in Production Engineering from COPPE/UFRJ, Brazil. He is associate professor and coordinator of the BSc program in Production Engineering at UNISINOS, Brazil. He also leads a number of applied research in large companies, such as FIOCRUZ/Bio-Manguinhos, PETROBRAS, TRANSPETRO, JBS, AGDI, SEBRAE/RS, SESI, and VALE. He has a long list of academic recognitions, including an Emerald Literati Award, recognitions for supervising dissertations awarded by the Brazilian Academy of Production Engineering (2013, 2014, 2015, and 2018), awarded Productive Researcher by the Brazilian Research Council in 2017, and he was recently identified as the 12th most prolific author in the world on the theory of constraints. Due to his activities in applied research, he was also recognized In-company Researcher of the Year in the state of Rio Grande do Sul (2014) and Productive Researcher in Technology and Innovation (2013-2016). His studies were published in *International Journal of Production Economics*, *European Journal of Operations Research*, *Journal of Cleaner Production*, *Business Process Management Journal*, and other peer-reviewed journals. He is also one of the authors of *Design Science Research*, a Springer's book.

Dr. Paulo Augusto Cauchick-Miguel is associate professor at the Department of Production and Systems Engineering at Federal University of Santa Catarina (UFSC), Brazil. He holds a PhD degree in Manufacturing Engineering from the School of Manufacturing and Mechanical Engineering at The University of Birmingham, UK. He was also a former visiting scholar at University of Technology, Sydney, Australia (2016-2017) and guest researcher at National Institute of Standards and Technology (NIST), USA (2004). His industrial experience includes working as a manufacturing engineer for automotive companies in Brazil. His current research interests include modularity, product-service systems, servitization, engineering education, and research methodology in operations management.

Dr. Joan Ernest van Aken is professor of organization science at the Department of Industrial Engineering and Innovation Sciences, Eindhoven University of Technology. He holds a MSc degree in applied physics from Delft University of Technology, and a PhD in management from Eindhoven University of Technology. He worked for twenty years as an internal management consultant and as supervisor of management consultants at Philips Electronics, first in the field of operations research and logistics, later also in organization and strategy. His research interests include organization design, design theory, and design science research. He is the Design Science section editor of *Journal of Operations Management*.

Dr. Raymond Opendakker graduated in Human Resource Management from Zuyd University of Applied Sciences, and in Work and Organization Psychology from Open University of the Netherlands. He obtained his PhD degree on industrial engineering and innovation sciences from Eindhoven University of Technology with a study on design science and the strategic momentum in virtual R&D project teams. After working as HRM manager at several organizations, he worked as an assistant professor at Open University of the Netherlands for four years. In 2000, he and Carin Cuypers started a teaching and consultancy enterprise – Bureau Lara. Currently, he is also lecturer at Open University of the Netherlands and at Eindhoven University of Technology. He was a keynote speaker in four occasions in conferences on management and innovation at Henan Polytechnic University (P.R. of China). He is the author of a number of articles and books on business issues.

Mrs. Aline Dresch is a PhD candidate in Production Engineering at Federal University of Santa Catarina, Brazil. She holds BSc and MSc degrees in Production Engineering from UNISINOS, and a BA degree in Pedagogy from UNISUL. She is lecturer at the Production Engineering and Industrial Management programs at UNISINOS, and a research assistant at GMAP. She was awarded by the Brazilian Academy of Production Engineering for the best MSc dissertation in 2013. She has published in *International Journal of Production Economics*, *Systemic Practice & Action Research*, *Business Research Quarterly*, and *Business Process Management Journal*. She is also one of the authors of *Design Science Research*, a Springer's book.