

18th International Conference on e-Business (ICE-B 2021)

Online
7 – 9 July 2021

Editors:

**Fons Wijnhoven
Marten van Sinderen**

ISBN: 978-1-7138-3995-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by SCITEPRESS – Science and Technology Publications, Lda.
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact SCITEPRESS – Science and Technology Publications, Lda.
at the address below.

SCITEPRESS – Science and Technology Publications, Lda.
Avenida de S. Francisco Xavier, Lote 7 Cv. C,
2900-616 Setúbal, Portugal

Phone: +351 265 520 185
Fax: +351 265520 186

info@scitepress.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

CONTENTS

INVITED SPEAKERS

KEYNOTE SPEAKERS

Process Science: Discovering New Ways to Do Things 5
Jan vom Brocke

Blockchains and DLTs: Too Complex for Quick Wins? 7
Florian Matthes

PAPERS

FULL PAPERS

Challenges in Aligning Enterprise Application Architectures to Business Process Access Control Requirements in Evolutional Changes 13
Roman Pilipchuk, Stephan Seifermann, Robert Heinrich and Ralf Reussner

Recommender Systems in Food Retail: Modeling Repeat Purchase Decisions on Transaction Data of a Stationary Food Retailer 25
Thomas Neifer, Dennis Lawo, Gunnar Stevens, Alexander Boden and Andreas Gadatsch

Exploring the Relationships between Cultural Content and Viewers' Watching Interest: A Study of Tiktok Videos Produced by Chinese Ethnic Minority Groups 37
Lifu Li and Kyeong Kang

Decoding IPaaS: Investigation of User Requirements for Integration Platforms as a Service 47
Thomas Neifer, Dennis Lawo, Paul Bossauer and Andreas Gadatsch

SHORT PAPERS

Some Estimates of Labor Contribution for Creating Digital Libraries 59
N. Kalenov, G. Savin, I. Sobolevskaya and A. Sotnikov

Business Model Scenarios for Engendering Trust in Smart City Data Collaborations 67
Ruben D'Hauwers, Nils Walravens, Pieter Ballon and Koen Borghys

Business Model Innovation to Enhance the Efficiency of Freight Logistics in the Maritime Supply Chain through Blockchain-based Industry Platforms 76
Oliver Weissshuhn, Christian Greiner and Allan Ramdhony

An Analysis on the Relation between Users' Online Social Networks Addiction and Users Security Concerns 86
Gulsum Akkuzu Kaya and Ben Sanders

Increasing Business Opportunities for Drone Services 93
S. Brezani, R. Hrasko, D. Vanco and P. Vojtas

A Supply Chain Management System to Prevent Counterfeiting and Trace Different Transactions Instead of using PUF Device 101
Yusuke Abe, Kosei Arisaka, Kitahiro Kaneda and Keiichi Iwamura

Digital Transformation of Transfer in Universities <i>Claudia Doering, Finn Reiche and Holger Timinger</i>	109
Enhanced Protection of Ecommerce Users' Personal Data and Privacy using the Trusted Third Party Model <i>Mukuka Kangwa, Charles S. Lubobya and Jackson Phiri</i>	116
A Classification of Process Mining Bottleneck Analysis Techniques for Operational Support <i>Rob Bemthuis, Niels van Slooten, Jeewanie Jayasinghe Arachchige, Jean Paul Sebastian Piest and Faiza Allah Bukhsh</i>	127
A Preliminary Analysis of the Use of Valuation Methods by Technology Transfer Offices <i>António Rocha, Fernando Romero, Manuela Cunha, Rui Lima and Marlene Amorim</i>	136
An Effective Tool for Oshindonga Early Development Education: Lilonga-Nenyanyu Learning Application <i>Caroline Mulundu, Victoria Hasheela-Mufeti and Maria Ntinda</i>	144
User-centric Business Process Transformations: Challenges and First Solutions <i>Catharina Zollweg and Stefan Zander</i>	151
A Study on APT in IoT Networks <i>Bruno Carneiro da Rocha, Laerte Peotta de Melo and Rafael Timóteo de Sousa Jr.</i>	160
Gamified Hands-on-Training in Business Information Systems: An Educational Design Experiment <i>Anke Schüll, Laura Brocksieper and Julian Rössel</i>	165
SPECIAL SESSION ON EMPOWERING THE DIGITAL ME THROUGH TRUSTWORTHY AND USER-CENTRIC INFORMATION SYSTEMS	
FULL PAPERS	
Do Employees Stay Satisfied in Times of Digital Change? On How Motivation Aware Systems Might Mitigate Motivational Deficits <i>Frederike Marie Oschinsky and Bjoern Niehaves</i>	177
Scan&Go: Understanding Adoption and Design of Smartphone-based Self-checkout <i>Dennis Lawo, Thomas Neifer, Margarita Esau, Philip Engelbutzeder and Gunnar Stevens</i>	183
Propositions towards the Impact of Moral Values in Information System Design on Information System Success Depicted by the DeLone & McLean Information System Success Model <i>Lukas R. G. Fitz and Jochen Scheeg</i>	195
Exploring Dashboards as Socio-technical Artifacts: Literature Review-based Insights <i>Aleksandra Revina</i>	207
It's All about Saving Lives: Towards a Virtual Learning Environment for the Rescue Chain <i>Caroline Ressing, Anna Zeuge, Andreas Weigel and Bjoern Niehaves</i>	219
AUTHOR INDEX	225