

2022 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD 2022)

**Marrakech, Morocco
23-25 November 2022**



**IEEE Catalog Number: CFP22TMC-POD
ISBN: 978-1-6654-7028-5**

**Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP22TMC-POD
ISBN (Print-On-Demand):	978-1-6654-7028-5
ISBN (Online):	978-1-6654-7027-8
ISSN:	2372-7268

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
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Role of Internet of Things in Enhancing Supply Chain Collaboration.....	1
<i>Afef Saihi, Mohamed Ben-Daya, Rami As'Ad</i>	
Sustainability Value and Firm Value: Real Strategies or Communication?	7
<i>Francesco Martielli, Antonio Salvi, Enrico Battisti, Jaroslav Belas</i>	
Optimization of Hybrid Truck-Drone Delivery Systems: A Bibliometric Analysis.....	12
<i>Batool Madani, Malick Ndiaye</i>	
Ontology-Based Communication Service for Multi-stage Production Processes.....	18
<i>Aleksandra Müller, Vincent Hütsch, Simon Storms, Werner Herfs</i>	
Understanding Business Analytics: Characteristics and Archetypes	24
<i>Jonas Müller, Günther Schuh, Brian Nahr, Gerrit Hoeborn, Volker Stich</i>	
Construction and Application of Knowledge Graph for Railway Rolling Stock Failure Tree.....	31
<i>Zaynabe Ragala, Asmaa Retbi, Samir Bennani</i>	
A New Age for Plant Maintenance: Making Use of Augmented Reality to Improve Maintenance of Production Assets	37
<i>Andrea Bondin, Joseph Paul Zammit</i>	
Success Factors for Company-Community-Collaboration in Open-Source Hardware Development Facilitated by Makerspaces	43
<i>Ina Peters, Margit Hofer, Thomas Maximilian Gloss, Rainer Stark</i>	
Identifying Synergies and Barriers to the Adoption of Disruptive Technologies for Sustainable Societies - an Innovation Ecosystem Perspective.....	51
<i>Matteo Spinazzola, Veronica Scuotto, Nicola Farronato, Marco Pironti</i>	
Technological Turbulence and Innovation Performance: Mediating Role of Absorptive Capacity in Industrial SMEs	57
<i>Abdeslam Hassani, Hussam Al Halbusi, Ouissale El Gharbaoui</i>	
Predicting Student Examination Performance to Improve Remedial Programs.....	64
<i>Odion Hillocks, Patrick Hosein</i>	
Decision Making Using Analytical Hierarchy Process: A Preliminary Study of Scientific Journal Selection for Publication	70
<i>Therdpong Daengsi, Montarat Rungruangthum, Phisit Pornpongtechavanich, Pongpisit Wuttidittachotti</i>	
Employment Stakeholder Analysis Using Social Network Analysis in Morocco	75
<i>Ibrahim Rahhal, Kathleen M Carley, Ismail Kassou</i>	
Predicting Insurance Churn to Reduce Clawback	82
<i>Dillon Goordeen, Nirvan Sharma, Patrick Hosein</i>	
How CMO Are Reacting to Blockchain, NFT and Metaverse: The Case of SIAE - Italian Society of Authors and Editors.....	88
<i>Giulia Nevi, Luca Dezi</i>	

Proposing Online Accountability Model for Islamic Philanthropic Organization: An Extended Maqashid-Based Approach.....	92
<i>Syarifah Nurmaya Lubis, Ratna Mulyany, Heru Fahlevi, Teuku Aulia Geumpana, Aida Yulia</i>	
Analyzing the Impact of COVID-19 on the Moroccan Job Market by Mining Job Ads	97
<i>Ibrahim Rahhal, Imane Khaouja, Kathleen M Carley, Ismail Kassou, Nada Sbihi</i>	
Software Selection and Dynamic Capabilities: A Mixed-Method Study on Adoption and Effects	104
<i>Tyron Offerman, Joost Visser, Christoph Johann Stettina, Yorick Van Der Vorm</i>	
The Mediating Role of R&D Investments in the Relationship Between Awarded Grants and ESG Performance.....	111
<i>Canio Forliano, Jacopo Ballerini, Paola De Bernardi, Roberto Quaglia</i>	
Renewable Energy Communities and Degrowth: Participative Governance for Energy Management.....	116
<i>Simone Gibellato, Lea Iaia, Fabio Fiano, Antonio Usai</i>	
Blockchain and Metaverse for Peer-To-peer Energy Marketplace: Research Trends and Open Challenges	124
<i>Md Moniruzzaman, Abdulsalam Yassine, Rachid Benlamri</i>	

Author Index