# Table of Contents

## International Journal of Information Technologies and Systems Approach

**Volume 14 • Issue 1 • January-June-2021 • ISSN: 1935-570X • eISSN: 1935-5718**

### Editorial Preface

Manuel Mora, Autonomous University of Aguascalientes, Mexico

### Research Articles

1. Automated System for Monitoring and Diagnostics Pilot’s Emotional State in Flight  
   Tetiana Shmelova, National Aviation University, Ukraine  
   Yuliya Sikirda, Flight Academy, National Aviation University, Ukraine  
   Arnold Sterenharz, EXOLAUNCH GmbH, Germany

17. PolyGlot Persistence for Microservices-Based Applications  
   Harshul Singhal, Jaypee Institute of Information Technology, Noida, India  
   Arpit Saxena, Jaypee Institute of Information Technology, Noida, India  
   Nitesh Mittal, Jaypee Institute of Information Technology, Noida, India  
   Chetna Dabas, Jaypee Institute of Information Technology, Noida, India  
   Parmeet Kaur, Jaypee Institute of Information Technology, Noida, India

33. A Constrained Static Scheduling Strategy in Edge Computing for Industrial Cloud Systems  
   Yuliang Ma, Northeastern University at Qinhuangdao, China  
   Yinghua Han, Northeastern University at Qinhuangdao, China  
   Jinkuan Wang, Northeastern University at Qinhuangdao, China  
   Qiang Zhao, Northeastern University at Qinhuangdao, China

   Raed Shatnawi, Software Engineering Department, Jordan University of Science and Technology, Irbid, Jordan  
   Alok Mishra, Atılım University, Ankara, Turkey & Molde University College-Specialized Univ. in Logistics, Norway

   Alena Buchalcevova, Prague University of Economics and Business, Czech Republic

97. Impact of the Learning-Forgetting Effect on Mixed-Model Production Line Sequencing  
   Qing Liu, China Jiliang University, China  
   Ru Yi, China Jiliang University, China

116. Implementation of a Service Management Office Into a World Food Company in Latin America  
   Teresa Lucio-Nieto, Universidad Iberoamericana, Mexico  
   Dora Luz Gonzalez-Bañales, Instituto Tecnológico de Durango/Tecnológico Nacional de México, México

   Radek Olejíšek, Masaryk University, Czech Republic  
   Tomáš Pítník, Masaryk University, Czech Republic

156. A CSP-Based Approach for Managing the Dynamic Reconfiguration of Software Architecture  
   Abdelfetah Saadi, University of Science and Technology Houari Boumediene, Algeria  
   Mourad Chabane Oussalah, University of Nantes, France

174. Team Characteristics Moderating Effect on Software Project Completion Time  
   Niharika Dayyala, Illinois State University, USA  
   Kent A. Walstrom, Illinois State University, USA  
   Kallol K. Bagchi, The University of Texas at El Paso, USA

### Copyright

The International Journal of Information Technologies and Systems Approach (IJITSA) (ISSN 1935-570X; eISSN 1935-5718), Copyright © 2021 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.