## **Table of Contents**

# International Journal of Extreme Automation and Connectivity in Healthcare

Volume 3 • Issue 2 • July-December-2021 • ISSN: 2577-4794 • eISSN: 2577-4808

#### **Editorial Preface**

#### iv Knowledge Coupling and Graph-Based Modeling for Medical Care

Sabah Mohammed, Lakehead University, Canada Jinan Fiaidhi, Lakehead University, Canada

#### **Research Articles**

#### 1 Artificial Intelligence-Assisted Endoscopy in Ulcerative Colitis

Petros Zezos, Thunder Bay Regional Health Sciences Centre, Northern Ontario School of Medicine, Canada

#### 7 Variable Practice May Enhance Ball Catching Skills in Some but Not All Children With DCD

Eryk Przysucha, Lakehead University, Canada Taryn Klarner, Lakehead University, Canada Carlos Zerpa, Lakehead University, Canada

#### 20 Exploring System Thinking Leadership Approaches to the Healthcare Cybersecurity Environment

Darrell Norman Burrell, The Florida Institute of Technology, USA & Capitol Technology University, USA
Amalisha Sabie Aridi, Capitol Technology University, USA
Quatavia McLester, The Chicago School of Professional Psychology, USA
Anton Shufutinsky, Cabrini University, USA
Calvin Nobles, University of Maryland Global Campus, USA
Maurice Dawson, Illinois Institute of Technology, USA
S. Raschid Muller, Capitol Technology University, USA

### 33 Evaluating the Performance of a Hockey Helmet in Mitigating Concussion Risk Using Measures of Acceleration and Energy During Simulated Free Fall

Carlos Zerpa, Lakehead University, Canada Stephen Carlson, Lakehead University, Canada Eryk Przysucha, Lakehead University, Canada Meilan Liu, Lakehead University, Canada Paolo Sanzo, Lakehead University, Canada

#### **COPYRIGHT**

The International Journal of Extreme Automation and Connectivity in Healthcare (IJEACH) (ISSN 2577-4794; eISSN 2577-4808), 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.

The International Journal of Extreme Automation and Connectivity in Healthcare is indexed or listed in the following: Google Scholar