



MODERN SYSTEMS 2023

International Conference of Modern Systems Engineering Solutions

November 13th – 17th, 2023

Valencia, Spain

MODERN SYSTEMS 2023 Editors

Mo Mansouri, Stevens Institute of Technology, USA

Sandra Sendra Compte, Universitat Politecnica de Valencia, Spain

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© (2023) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed with permission by Curran Associates, Inc. (2024)

International Academy, Research, and Industry Association (IARIA)
412 Derby Way
Wilmington, DE 19810

Phone: (408) 893-6407
Fax: (408) 527-6351

petre@iaria.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

Table of Contents

Antifragile Cities – Decision Support Tools to Support the Implementation of the Climate-neutral and Smart Cities <i>Alan Martin Redmond, Theocharis Vlachopanagiotis, Katerina Moschopoulou, Konstandinos Grizos, Evangelos Manthos, and Yacine Rezgui</i>	1
Evaluation of different Systems Engineering Approaches as Solutions to Cross-Lifecycle Traceability Problems in Product Development: A Survey <i>Sina Hajiaghapour and Nadine Schlueter</i>	7
Image Processing to Evaluate Post-harvest Damages on Grapes and Their Impact on Fruit Aspect <i>Francisco Javier Diaz, Ali Ahmad, Lorena Parra, Sandra Sendra, and Jaime Lloret</i>	17
An Application of Systems Thinking - Food Systems <i>Edward Tettamanti and Mo Mansouri</i>	23