

Lecture Notes in Electrical Engineering 730

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# Recent Trends in Mechatronics Towards Industry 4.0

Selected Articles from iM3F 2020,  
Malaysia

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# Lecture Notes in Electrical Engineering

## Volume 730

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# Preface

The Innovative Manufacturing, Mechatronics and Materials Forum 2020 (iM3F 2020) is the first edition of the forum organised by the Faculty of Manufacturing and Mechatronic Engineering Technology, Universiti Malaysia Pahang (UMP). This forum is aimed at building a platform that allows academics as well as other relevant stakeholders within the region to share, discuss and deliberate their latest research findings in the domain of manufacturing, mechatronics and materials, respectively.

With the latest trend in mechatronics engineering that is gearing towards Industry 4.0, iM3F provides an excellent avenue for the community to keep abreast with the current technological advancements. This volume hosts 92 papers from the mechatronics tracks of the forum. The papers published in this proceeding have been thoroughly reviewed by the appointed technical review committee that consists of various experts in the field of mechatronics.

A sincere thanks to all members of the organising committee for making the conference a success. Not forgetting our sponsors, CREST and Cisco Webex, as well as our partners, Smart Manufacturing Research Institute, innovationlabs.my, SEAIC and BioMeC for their kind gesture and continuous support. We also would like to extend our appreciation to authors for contributing valuable papers to the proceedings. We hope this book will intensify the knowledge sharing among colleagues in the field of mechatronics engineering.

Pekan, Pahang, Malaysia  
August 2020

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Muhammad Aizzat Zakaria  
Anwar P. P. Abdul Majeed

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