

PROCEEDING OF
IRID 2020
INNOVATIVE RESEARCH AND INDUSTRIAL DIALOGUE 2020

Bridging University And Industries Through Research

Conference Virtually 17 December 2020

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Editors-in-Chief

Raja Izamshah Raja Abdullah

Mohd Sanusi Abdul Aziz

Editors

Hambali Arep@Ariff

Mohd Edeerozey Abd Manaf

Mohd Shukor Salleh

Saifudin Hafiz Yahaya

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PREFACE

This proceeding contains a compilation of 87 selected papers from the Innovative Research and Industrial Dialogue 2020 (IRID'20) which virtually held at the Faculty of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka (UTeM) - Melaka, Malaysia. IRID'20 is a research event hosted by the Centre of Smart System and Innovative Design (COSSID) of Universiti Teknikal Malaysia Melaka (UTeM). This third IRID'20 is also co-organized by the Advanced Manufacturing Centre (AMC) and Faculty of Manufacturing Engineering of UTeM.

With the theme "Bridging University and Industries through Research", IRID'20 offers academicians, postgraduate students, as well as researchers and engineers from industry, especially in the field of engineering and technology to present their research findings, establish a mutual knowledge transfer and sharing to the community. Through this event, ideas and solutions to the problems and needs of the local industry can be shared and thus, bridging the gap between university and industry in Malaysia. This is in line with the increasing demand for innovative research ideas for solving real engineering problems which advocate the provision of rigorous study among distinct communities.

IRID'20 incorporates researchers from university and industries, and it is hoped that it will pave the way for many more productive and interesting events in the future. We hope that this proceeding will serve as a valuable reference for researchers.

As the editors-in-chief, we wish to formally thanks to the organizing committee for ensuring the success of IRID'20. Finally, we would like to express our deepest gratitude to the University, Faculty, AMC and sponsors for their continuous support rendered throughout this event.

Thank you.

Raja Izamshah Raja Abdullah

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