

Proceeding of CACRE 2019

2019 4th International Conference on
Automation, Control and Robotics Engineering



Edited By
Fumin Zhang

ACM International Conference Proceedings Series

Proceedings

**2019 4th International Conference on Automation,
Control and Robotics Engineering
(CACRE 2019)**

July 19 - 21, 2019

Shenzhen, China

Edited by

Fumin Zhang



Preface

2019 4th International Conference on Automation, Control and Robotics Engineering (CACRE 2019) was held in Shenzhen on 19-21 July, 2019. CACRE 2019 is co-organized by Georgia Institute of Technology and Hong Kong Society of Mechanical Engineers (HKSME), sponsored by Sichuan University and DORABOT. The conference provides a useful platform both for showing the latest research directions and for exchange of research results and ideas in broad Automation, Control and Robotics Engineering areas. The participants of the conferences were from many parts of the world, with backgrounds in academia and industry. The success of the conferences is reflected by high quality of the papers received.

The proceedings are a compilation of the accepted papers and represent an interesting outcome of the conferences. This book covers three chapters: Chapter 1: Learning; Chapter 2: Control; Chapter 3: Robotics. We would like to acknowledge those who supported CACRE 2019. Each individual and institutional help were very important for the success of this conference. Additionally we would like to thank the organizing committee for their valuable advice on the organization of the conference as well as useful peer review of the papers.

We hope that CACE 2019 will be a forum for fruitful discussions that will shed light on new ideas and foster collaborative research. We are sure that the proceedings will serve as an important research source for reference and knowledge and this will lead to not only scientific and engineering progress but also to new products and processes.

Prof. Fumin Zhang, Georgia Institute of Technology, USA

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