Proceedings of the ASME

DYNAMIC SYSTEMS AND CONTROL CONFERENCE

- 2019 -

VOLUME 1

ADVANCED DRIVER ASSISTANCE AND AUTONOMOUS TECHNOLOGIES

ADVANCES IN CONTROL DESIGN METHODS

ADVANCES IN ROBOTICS

AUTOMOTIVE SYSTEMS

DESIGN, MODELING, ANALYSIS, AND CONTROL OF ASSISTIVE AND REHABILITATION DEVICES

DIAGNOSTICS AND DETECTION

DYNAMICS AND CONTROL OF HUMAN-ROBOT SYSTEMS

ENERGY OPTIMIZATION FOR INTELLIGENT VEHICLE SYSTEMS

ESTIMATION AND IDENTIFICATION

MANUFACTURING

presented at

ASME 2019 DYANMIC SYSTEMS AND CONTROL CONFERENCE

OCTOBER 8-11 2019

PARK CITY, UTAH, USA

sponsored by

DYNAMIC SYSTEMS AND CONTROL DIVISION, ASME

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Two Park Avenue * New York, NY. 10016

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.

ISBN NO. 978-0-7918-5914-8

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

CONTENTS

DSCC2019

ADVANCED DRIVER ASSISTANCE AND AUTONOMOUS TECHNOLOGIES

ADVANCES IN CONTROL DESIGN METHODS

ADVANCES IN ROBOTICS

AUTOMOTIVE SYSTEMS

DESIGN, MODELING, ANALYSIS, AND CONTROL OF ASSISTIVE AND REHABILITATION DEVICES

DIAGNOSTICS AND DETECTION

DYNAMICS AND CONTROL OF HUMAN-ROBOT SYSTEMS

ENERGY OPTIMIZATION FOR INTELLIGENT VEHICLE SYSTEMS

ESTIMATION AND IDENTIFICATION

MANUFACTURING