25th Enhanced Safety of Vehicles Conference 2017

Innovations in Vehicle Safety:
Opportunities and Challenges

Detroit, Michigan, USA
5 - 8 June 2017

Volume 1 of 3

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.

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact National Highway Traffic Safety Administration (NHTSA)
at the address below.

National Highway Traffic Safety Administration (NHTSA)
1200 New Jersey Avenue, SE
West Building
Washington, DC 20590
USA

Phone: 888-327-4236

www.nhtsa.gov

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

VOLUME 1

BIOMECHANICS #2: ADVANCES IN CRASH TEST DUMMIES, INSTRUMENTATION AND DATA ANALYSIS

CLEARING THE REGULATORY & ENFORCEMENT HURDLES OF NEW TECHNOLOGY

CONSUMER INFORMATION APPROACHES TO IMPROVE GLOBAL SAFETY

CRASH AVOIDANCE #1: ADVANCED DRIVER ASSISTANCE SYSTEMS: PRODUCT EVOLUTION; EVALUATION; AND REAL WORLD DEPLOYMENT CHALLENGES

CRASH AVOIDANCE #2: DRIVER MONITORING SYSTEMS AND DRIVER-VEHICLE INTERFACE DESIGN FOR ADVANCED DRIVER ASSISTANCE SYSTEMS

VOLUME 2

CRASH AVOIDANCE #3: ENHANCING SAFETY WITH CONNECTED AND AUTOMATED VEHICLES

ELECTRONIC SYSTEMS SAFETY – CYBERSECURITY AND RELIABILITY

INTEGRATED SAFETY FROM PRE-CRASH TO CRASH TO POST-CRASH

PROTECTION OF VULNERABLE ROAD USER

RESTRAINT SYSTEM DESIGN AND PERFORMANCE CHALLENGES: ADDRESSING THE NEEDS OF DIVERSE POPULATIONS (AGE, GENDER, STATURE)

SAFETY PERFORMANCE IN FRONTAL CRASHES

VOLUME 3

SAFETY PERFORMANCE IN SIDE IMPACT AND ROLLOVER CRASHES

WRITTEN PAPERS

GOVERNMENT STATUS REPORT

ASSESSMENT OF NEW AND IMPROVED FIELD DATA COLLECTION, ANALYSIS AND BENEFITS ASSESSMENT METHODS

BIOMECHANICS #1: ADVANCES IN EXPERIMENTAL AND MATHEMATICAL BIOMECHANICS AND INJURY RESEARCH

BIOMECHANICS #2: ADVANCES IN CRASH TEST DUMMIES, INSTRUMENTATION AND DATA ANALYSIS

CRASH AVOIDANCE #1: ADVANCED DRIVER ASSISTANCE SYSTEMS: PRODUCT EVOLUTION; EVALUATION; AND REAL WORLD DEPLOYMENT CHALLENGES

CRASH AVOIDANCE #2: DRIVER MONITORING SYSTEMS AND DRIVER-VEHICLE INTERFACE DESIGN FOR ADVANCED DRIVER ASSISTANCE SYSTEMS

CRASH AVOIDANCE #3: ENHANCING SAFETY WITH CONNECTED AND AUTOMATED VEHICLES

INTEGRATED SAFETY FROM PRE-CRASH TO CRASH TO POST-CRASH

PROTECTION OF VULNERABLE ROAD USERS

SAFETY PERFORMANCE IN FRONTAL CRASHES

SAFETY PERFORMANCE IN SIDE IMPACT AND ROLLOVER CRASHES