

# **Digital Engineering**

Papers Presented at the AIAA SciTech Forum and  
Exposition 2019

San Diego, California, USA  
7 - 11 January 2019

ISBN: 978-1-5108-8407-6

**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.**

The contents of this work are copyrighted and additional reproduction in whole or in part are expressly prohibited without the prior written permission of the Publisher or copyright holder. The resale of the entire proceeding as received from CURRAN is permitted.

For reprint permission, please contact AIAA's Business Manager, Technical Papers. Contact by phone at 703-264-7500; fax at 703-264-7551 or by mail at 34922 Uwytkug'Xcmg{'Ftkxg.'Uwykg'422, Reston, VA 20191, USA.

# TABLE OF CONTENTS

**Decision Analytics in a Lifecycle Digital Engineering Environment** ..... 1  
*Edward M. Kraft*

**Improving Prediction Capability of Quadcopter Through Digital Twin** ..... 25  
*Hee Yong Jeon, Cedric Y. Justin, Dimitri N. Mavris*

**Author Index**