Computer Systems

Papers Presented at the AIAA Aviation Forum 2019

Dallas, Texas, USA 17-21 June 2019

ISBN: 978-1-5108-9308-5

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 Uwptkug'Xcmg{ 'F tkxg.''Uwkg'422, Reston, VA 20191, USA.

TABLE OF CONTENTS

ADVANCES IN COMPUTER SYSTEMS FOR AVIATION

AIAA-2019-2844: On the End-User Productivity of a Pseudo-Constrained Parallel Data Refinement	
Method for the Advancing Front Local Reconnection Mesh Generation Software	1
Kevin M. Garner, Polykarpos Thomadakis, Thomas Kennedy, Christos Tsolakis, Nikos N. Chrisochoides	
AIAA-2019-2845: Formal Verification of Collision Avoidance for Turning Maneuvers in UAVs	13
Eytan Adler, Jean-Baptiste Jeannin	
AIAA-2019-2846: Global Network Access Terminal as a Multi-Modem Solution for Network	
Convergence	21
James C. Lyke	

Author Index