Computer Systems

Papers Presented at the AIAA SciTech Forum and Exposition 2020

Orlando, Florida, USA
6 – 10 January 2020

ISBN: 978-1-7138-1081-0

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 12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191, USA.

TABLE OF CONTENTS

COMPUTING SYSTEMS

SPARSE LINEAR ALGEBRA TOOLKIT FOR COMPUTATIONAL AERODYNAMICS 1
Stephen L. Wood, Kevin Jacobson, William T. Jones, William K. Anderson

AN AVIONICS CYBER INTRUSION DETECTION SYSTEM 34
Luke Ryon, Greg Rice, James Potts

DESIGN AND PROTOTYPING OF AN AVIATION BIG DATA REPOSITORY 44
Ravi T. Thota, Gurvir Bawa, Richard S. Stansbury

Author Index