## Survivability

Papers Presented at the AIAA SciTech Forum and Exposition 2021

Online 11-15 & 19-21 January 2021

ISBN: 978-1-7138-2643-9

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**

## SURVIVABILITY AT SCALE - FROM SUB-STRUCTURAL TO INTERPLANETARY

THE EFFECT OF LOCAL COPPER MESH GEOMETRY ON THE DAMAGE INDUCED IN COMPOSITE STRUCTURES SUBJECTED TO ARTIFICIAL LIGHTNING STRIKE Michael May, Jürgen Kuder, Philipp Hahn, Matti Isakov, Sebastian Schopferer	1
FIRST CELL FAILURE OF LATTICE STRUCTURE UNDER COMBINED LOADING Derek Spear, Anthony N. Palazotto, Ryan Kemnitz	13
CISLUNAR DEBRIS PROPAGATION FOLLOWING A CATASTROPHIC SPACECRAFT MISHAP Nathan Boone, Robert A. Bettinger	30

Author Index