Society and Aerospace Technology

Papers Presented at the AIAA SciTech Forum and Exposition 2025

Orlando, Florida, USA 6-10 January 2025

ISBN: 979-8-3313-1825-3

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



a		•			43		•				41 .	• 4	•
Some	tormat	ICCITAC	inheren	t in	the e	-media	Version	may 9	alen ar	mear II	1 thic	nrint	version.
Some	ivi illat	issucs			u	-mcuia	VCI SIUII	11161 7 6	aisu ap	pcai ii	1 (1113	թւաւ	VCI SIUII.

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{'Ftkxg."Uwkg'422, Reston, VA 20191, USA.

TABLE OF CONTENTS

SOCIETY AND AEROSPACE TECHNOLOGY

Sociotechnical Pathways: From Satellites and Stations to Envisioning Commercial Lunar Gateways and Beyond	1
Robert Edgell	
From Philosophy to Practice: Implementing Ethical Imperatives and Engineering Feasibility for Long-Duration Spaceflight	27
Lynnane E. George, Evan Martin, Tristan Dwyer	27
Redeeming Icarus: The Contemporary Aerospace Engineer in the Pop-Cultural Mirror	46

Author Index