

Symposium on Electronic Imaging (EI 2024)

3D Imaging and Applications 2024

**Burlingame, California, USA
21-25 January 2024**

ISBN: 979-8-3313-1256-5

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.

Copyright© (2024) by Society for Imaging Science & Technology
All rights reserved.

Printed with permission by Curran Associates, Inc. (2025)

For permission requests, please contact Society for Imaging Science & Technology
at the address below.

Society for Imaging Science & Technology
7003 Kilworth Lane
Springfield, Virginia 22151
USA

Phone: 703-642-9090

Fax: 703-642-9094

info@imaging.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Extending Lidar Depth Range using Stereo Depth Estimation on Intensity Data	1
<i>Filip Taneski</i>	
A Deep Learning based Light Field Image Compression as Pseudo Video Sequences with Additional in-loop Filtering.....	6
<i>Soheib Takhtardeshir</i>	
Data Augmentation Based on Depth Information for Neural Radiance Fields.....	12
<i>Hamed Razavi Khosroshahi, Jaime Sancho, Gun Bang, Gauthier Lafruit, Eduardo Juarez, Mehrdad Teratani</i>	
Neural Depth Encoding for Compression-Resilient 3D Compression	18
<i>Stephen Siemonsma, Tyler Bell</i>	

Author Index