Symposium on Electronic Imaging (El 2024)

Imaging and Multimedia Analytics at the Edge 2024

Burlingame, California, USA 21-25 January 2024

ISBN: 979-8-3313-1266-4

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

Adapt to Distill or Distill to Adapt	1
Georgi Thomas, Andreas Savakis	
Motion-based Domain Randomization for Detecting Honey bees Inside a Hive	
Chih-Hsing Ho, Izaak R. Gilchrist, Keirstyn A Amponsah, Amanda Stoltz, Brock A. Harpur, Steve Cantley, Amy R. Reibman	
Self-Attention Enhanced Recognition: A Unified Model for Handwriting and Scene-text	
Recognition with Improved Inference Gaurav Patel	13
Generalizing Handwriting and Scene-Text Detection in Images	19
Taewook Kim	
Neuro-Symbolic Ensembles for Assistance at the Edge	25
Yan-Ming Chiou, Dick Crouch, Bob Price, Jiaying Shen, Michael Youngblood, Charlie Ortiz	
Author Index	