

2017 30th SIBGRAPI Conference on Graphics, Patterns and Images Tutorials (SIBGRAPI-T 2017)

**Niteroi, Brazil
17 – 18 October 2017**



**IEEE Catalog Number: CFP1786H-POD
ISBN: 978-1-5386-0620-9**

**Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP1786H-POD
ISBN (Print-On-Demand):	978-1-5386-0620-9
ISBN (Online):	978-1-5386-0619-3
ISSN:	2474-0691

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
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2017 30th SIBGRAPI Conference on Graphics, Patterns and Images Tutorials

SIBGRAPI-T 2017

Table of Contents

Message from Tutorial Program Chairs.....	vi
Conference Organization.....	vii
Program Committee.....	viii
Reviewers.....	ix
Acknowledgements.....	x

Tutorials

A Review of Texture Classification Methods and Databases	1
<i>Paulo Cavalin and Luiz S. Oliveira</i>	
Face Analysis in the Wild	9
<i>Flavio Henrique de Bittencourt Zavan, Nathaly Gasparin, J�lio C�sar Batista, Luan Porf�rio e Silva, V�tor Albiero, Olga Regina Pereira Bellon, and Luciano Silva</i>	
Everything You Wanted to Know about Deep Learning for Computer Vision but Were Afraid to Ask	17
<i>Moacir Antonelli Ponti, Leonardo Sampaio Ferraz Ribeiro, Tiago Santana Nazare, Tu Bui, and John Collomosse</i>	
Geometric Data Analysis Based on Manifold Learning with Applications for Image Understanding	42
<i>Gastao Florencio Miranda, Carlos Eduardo Thomaz, and Gilson Antonio Giraldi</i>	
Author Index	63