

# **2018 International Symposium on Security and Privacy in Social Networks and Big Data (SocialSec 2018)**

**Santa Clara, California, USA  
10 – 11 December 2018**



**IEEE Catalog Number: CFP18D26-POD  
ISBN: 978-1-7281-0817-9**

**Copyright © 2018 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:	CFP18D26-POD
ISBN (Print-On-Demand):	978-1-7281-0817-9
ISBN (Online):	978-1-7281-0816-2

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# 2018 International Symposium on Security and Privacy in Social Networks and Big Data (SocialSec)

## Table of Contents

Causal Modeling for Cybersecurity .....	1
<i>Suchitra Abel, Licheng Xiao, Hairong Wang</i>	
Adaptive Crawling in Online Social Networks: a Matrix Factorization Based Approach.....	5
<i>Tianyi Pan, Xiang Li</i>	
FriPEL: Friendship Privacy Educational Labware.....	11
<i>Na Li, Lin Li, Yuhong Liu</i>	
Network Coding based Social-aware Caching Strategy in D2D.....	
<i>Jun Cai, Xiaoping Wu, Yan Liu, Jianzhen Luo, Xiushan Liu</i>	
Deep-learnt features for Twitter spam detection.....	22
<i>Xinbo Ban, Chao Chen, Shigang Liu, Yu Wang, and Jun Zhang</i>	
An Efficient and Secure Transmission Model Based on Compressive Sensing.....	27
<i>Lixiang Li, Liwei Liu, Haipeng Peng, Yixian Yang</i>	
An evaluation method of image scrambling degree based on pixel distribution .....	33
<i>Zigang Chen, Lixiang Li, Haipeng Peng, Yuhong Liu, Haihua Zhu, Yixian Yang</i>	
The impact of subjects and gender in value-added assessment of senior high school in China.....	39
<i>Lin Zhang, Tian Feng, Qinghua Zhang, Tao Ren</i>	