2018 IEEE 37th International Symposium on Reliable Distributed Systems Workshops (SRDSW 2018)

Salvador, Brazil 2 – 5 October 2018



IEEE Catalog Number: ISBN: CFP1813R-POD 978-1-5386-7615-8

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:	CFP1813R-POD
ISBN (Print-On-Demand):	978-1-5386-7615-8
ISBN (Online):	978-1-5386-7614-1

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



2018 IEEE 37th International Symposium on Reliable Distributed Systems Workshops (SRDSW) SRDSW 2018

Table of Contents

Message from the General Chair	vi
Message from the WDSC 2018 Organizers	vii
Symposium Organization	viii
Technical Program Committee	x
External Reviewers	xi
Acknowledgements	xii

Workshop WDSC 2018

Research on Theoretical Structure Design of Smart Community Large Data Platform Nan Jia (Tsinghua University), Han Xing (Tsinghua University), Jing Qian (Tsinghua University), Yongqiang Chen (Peking University), and Yi Liu (Tsinghua University)	
A Microservices Architecture for Distributed Complex Event Processing in Smart Cities Fernando Freire Scattone (University of São Paulo) and Kelly Rosa Braghetto (University of São Paulo)	6
Visualizing Large Datasets: A Case Study with Data of the Buses of São Paulo City Felipe Cordeiro Alves Dias (University of São Paulo) and Daniel Cordeiro (University of São Paulo)	. 10
Abstracting Big Data Processing Tools for Smart Cities Fernanda de Camargo Magano (University of São Paulo) and Kelly Rosa Braghetto (University of São Paulo)	. 14

Author Index		