

AAAI Workshops 2018

Technical Report WS-04

New Orleans, Louisiana, USA
2 – 3 February 2018

ISBN: 978-1-7138-2746-7

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© (2018) by Association for the Advancement of Artificial Intelligence
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact Association for the Advancement of Artificial Intelligence
at the address below.

Association for the Advancement of Artificial Intelligence
2275 East Bayshore Road
Suite 160
Palo Alto, California 94303
USA

Phone: 1-650-328-3123
Fax: 1-650-321-4457

<https://aaai.org/Press/press.php>

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

LEARNING THE INFLUENCE STRUCTURE BETWEEN PARTIALLY OBSERVED STOCHASTIC PROCESSES USING IOT SENSOR DATA	167
<i>Ritesh Ajoodha, Benjamin Rosman</i>	
TRANSFER LEARNING FOR TRAFFIC SPEED PREDICTION: A PRELIMINARY STUDY	174
<i>Bill Y. Lin, Frank F. Xu, Eve Q. Liao, Kenny Q. Zhu</i>	
ENCODING TEMPORAL MARKOV DYNAMICS IN GRAPH FOR VISUALIZING AND MINING TIME SERIES	178
<i>Lu Liu, Zhiguang Wang</i>	
TOWARDS KNOWLEDGE ORIENTED INTELLIGENT AUDIO ANALYTICS	185
<i>Alessandro Oltramari, Joseph Szurley, Samarjit Das, Jonathan Francis, Juncheng Li</i>	
REAL-TIME PLANNING FOR TRAFFIC SIGNAL CONTROL	189
<i>Alison Paredes, Wheeler Ruml</i>	
EFFICIENT SCENE LABELING VIA SPARSE ANNOTATIONS	194
<i>Can Qin, Maoguo Gong, Yue Wu, Dayong Tian, Puzhao Zhang</i>	
ILPC: ITERATIVE LEARNING USING PHYSICAL CONSTRAINTS IN REAL-WORLD SENSING DATA	202
<i>Tong Yu, Shijia Pan, Susu Xu, Xinlei Chen, Mostafa Mirshekari, Jonathon Fagert, Hae Young Noh, Pei Zhang, Ole J. Mengshoel</i>	
RECOVER MISSING SENSOR DATA WITH ITERATIVE IMPUTING NETWORK	209
<i>Jingguang Zhou, Zili Huang</i>	

Author Index