2019 First International Conference on Smart Technology & Urban Development (STUD 2019)

Chiang Mai, Thailand 13 – 14 December 2019



IEEE Catalog Number: CFP19W71-POD ISBN: 978-1-7281-6744-2

Copyright © 2019 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:
 CFP19W71-POD

 ISBN (Print-On-Demand):
 978-1-7281-6744-2

 ISBN (Online):
 978-1-7281-6435-9

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



Contents

The readiness of information technology of Rajamangala University of Technology Phra Nakhon for educational communication to ASEAN
Utilizing User Generated Contents to describe Tourism Areas of Interest5
Improvement of TD-TR Algorithm for Simplifying GPS Trajectory Data 11
Effect of Public Transport Network on Urban Core and the Future Perspective in Bang-kok, Thailand
Microsimulation for Mixed Traffic Flow at Intersection Area in Bangkok22
Transportation Mobility Factor Extraction Using Image Recognition Techniques28
Development of micro population data for each building: Case study in Tokyo and Bang- kok
A Stated Preference Experiment of Residential Location Choice in Mandalay40
Comparison of life patterns from mobile data in Bangladesh
Functional and Contextual Classification Concept for Road Network in Thailand: Pre- liminary Study55
Urban Growth Modeling using Historical Landsat Satellite Data Archive on Google Earth Engine
Thrombus Localization in Middle Cerebral Artery of Patient with Acute Ischemic Stroke on ncCT Image66
Segmentation Stroke Objects Based on CT Scan Image Using Thresholding Method 71
Lesson Learns of Success factors from 10 Smart Cities Development: Thailand Context 77
Part-based Fusion Feature Learning for Person Re-Identification
Author Index88