

## I. Program Overview

### DataCom/SOCA/SC2/IOV Program (18<sup>th</sup>–21<sup>st</sup> Nov. 2019)

Monday, 18 <sup>th</sup> Nov.	Event
13:00-16:00	Registration
13:30-14:40 (70 min)	KDBD workshop I Room 106
14:40-15:10 (30 min)	Coffee Break
15:10-16:20 (70 min)	KDBD workshop II Room 106
16:30 -17:30 (60 min)	Committee meeting

Tuesday, 19 <sup>th</sup> Nov.	Event			
08:00-17:00	Registration			
09:00~09:20 (20 min)	Opening			
09:20-09:30 (10 min)	Group Photo			
09:30-10:40 (70 min)	Keynote Speech 1 - Prof. Hideyuki Tokuda Session Chair - Chi-Sheng Shih Banquet Hall			
10:40-11:00 (20 min)	Coffee Break			
11:00-12:10 (70 min)	Keynote Speech 2 – Prof. Roger Zimmermann Session Chair - Ren-Hung Hwang Banquet Hall			
12:10-13:30 (80 min)	Lunch (Lunch box, banquet hall)			
13:30-14:50 (80 min) (Best Paper Candidates)	Session 1A DataCom I Room 101	Session 1B SOCA I Room 102	Session 1C SC2 I Room 103	Session 1D IOV I Room 106
14:50-15:30 (40 min)	Coffee Break			
	Poster I (Conference Hall)			
15:30-16:40 (70 min)	Session 2A DataCom II Room 101	Session 2B SOCA II Room 102	Session 2C SC2 II Room 103	Session 2D IOV II Room 106
16:40-16:50 (10 min)	Coffee Break			
16:50-18:00 (70 min)	Session 3A DataCom III Room 101	Session 3B SOCA III Room 102	Session 3C SC2 III Room 103	Session 3D IOV III Room 106
18:20-20:30	Welcome Reception Banquet Hall			

Wednesday, 20 <sup>th</sup> Nov.	Event
08:30-17:00	Registration
09:10-10:20 (70 min)	Keynote Speech 3 –Prof. Marco Aiello Session Chair - Anna Kobusińska Banquet Hall
10:20-10:40 (20 min)	Coffee Break
10:40-11:50 (70 min)	Keynote Speech 4 –Dr. Tzi-Cker Chiueh

	Session Chair - Chung-Ming Huang Banquet Hall		
11:50-13:30 (100 min)	Lunch(Restaurant-Hoya)		
13:30-14:50 (80 min)	Session 4A DataCom IV Room 101	Session 4B SOCA IV Room 102	Session 4C SC2 IV Room 103
14:50-15:30 (40 min)	Coffee Break		
	Poster II (Buffet, Conference Hall)		
15:30-16:40 (70 min)	Session 5A DataCom V Room 101	Session 5B SOCA V Room 102	Session 5C SC2 V Room 103
16:40-16:50 (10 min)	Coffee Break		
16:50-18:00 (70 min)	Session 6A DataCom VI Room 101	Session 6B SOCA VI Room 102	Session 6C SOCA VII Room 103
18:20-20:30	Banquet (Banquet Hall)		

Thursday, 21 <sup>st</sup> Nov.	Event
11:00-12:00	Committee Meeting (By Invitation)
13:00-18:00	Half-day City Tour (Foreigners)

## II. Technical Program

### DataCom Advanced Program

Monday, 18<sup>th</sup> November 2019

**13:30 – 14:40**      **KDBD workshop I**                      **Room 106**

Chair: Liang Zhao

- 1. Instantaneous Availability Model for Systems Considering Multi-factor Logistic Delay**  
Yi Yang, Kunlun Wei and Haoran Chen
- 2. An optimization for spare parts transportation route based on real-time monitoring**  
Ziyang Ge, Meilin Wen, Yi Yang and Rui Kang
- 3. Multiple Kernel K-means Clustering : A Self-weighted Learning Approach**  
Hong Yu, Tiantian Zhang, Beilei Cui and Linlin Zong
- 4. Bilinear CNN for Low-shot Footprint Classification**  
Min Fang, Luotian Wu, Xilong Lu, Jin Liu and Yan Zhang

**15:10 – 16:20**      **KDBD workshop II**                      **Room 106**

Chair: Zhikui Chen

- 1. Abnormal Detection of Gas Turbine Engine Based on Time-Frequency Feature Analysis**  
Xiumin Ma and Chi Feng
- 2. Analysis and Design of Network Public Opinion Early Warning System for Emergencies**  
Weihong Xin
- 3. Source Apportionment of Heavy Metals in Soils Based on Hierarchical Clustering**  
Lu Wang, Zhikui Chen, Yujie Zhao, Qiucen Li, Huiyue Su and Zongling Ren
- 4. Correlated and Uncorrelated Feature Co-Learning with Dual Graph Regularization for Multi-View Data Clustering**  
Tingting Sun, Chunyang Mo, Liang Zhao and Zhikui Chen

Tuesday, 19<sup>th</sup> November 2019

**13:30 – 14:50**      **Session 1A**                      **DataCom I**                      **Room 101**

Chair: Che-Rung Lee

- 1. SSN:A Spatial Semantic Network for High-accuracy, Stable and Generalized Intent Detection**  
Zhi Zeng, Chi-Yin Chow and Jia-Dong Zhang
- 2. Cyber Intrusion Detection by Using Deep Neural Networks with Attack-sharing Loss**  
Boxiang Dong, Wendy Hui Wang, Aparna S. Varde, Dawei Li, Bharath K. Samanthula, Weifeng Sun and Liang Zhao

**3. Motion Capture System Towards Big Data Collection of Craftsmanship**

Masanobu Yamamoto, Yuki Miura and Tetsushi Ohsawa

**4. A Data-Driven Knowledge-Enriched Framework for Dialogue Modeling**

Wei-Po Lee and Jhih-Yuan Huang

**15:30 – 16:40      DATACOM Session II      Room 101**

Chair: Yi-Hwa Liu

**1. Data Analysis of Portfolio Optimization using Artificial Neural Network in China's Stock Market**

Chia-Hung Wang and Xiaojing Wu

**2. SCNNSC: Spelling Check based Neural Network for Sentiment Classification**

Yiwen Li, Yi Song and Kai Shuang

**3. TF-RNN: A Method of Rumor Detection on Social Media**

Peng Xu, Yonghao Zhu, Kai Shuang, Yulu Cao, Yiming Liu and Shu Wang

**4. Predicting Performance of Social Media Postings using Data Mining Methods**

Szu Chuang Li, Yi-Wen Chen and Yennun Huang

**16:50 – 18:00      DATACOM Session III      Room101**

Chair: Yean-Fu Wen

**1. Blockchain Synchronisation Performance Enhancement Using Forwarder Assignment in an Overlay Network**

Yean-Fu Wen and Ping-Ju Wu

**2. Leveraging Reinforcement Learning to Allocate Bandwidth in the Agent-based Resource Management System**

Mu-Cheng Wang, Paul C. Hershey and Theodore E. Ioakimidis

**3. Data-Pattern Driven Cache-Collision Timing Attacks Against AES-GCM**

James Huang and Xiaoming Li

**4. Using Inaccurate Job Prediction for Detecting Machine Failures in Parallel Computing Cluster**

Ting-Yu Lin and Jerry Chou

Wednesday, 20<sup>th</sup> November 2019

**13:30 – 14:50      DATACOM Session IV      Room 101**

Chair: Hung-Chang Hsiao

**1. Robust Classification of Step Data of Exercise**

Haoqi Fu, Keqin Shi and Weiqiang Sun

**2. Dangerous Goods Detection System of X-ray Images Based on Mask R-CNN**

Yen-Hua Lin, Kuang-Cheng Lo, Yu-Chien Chen and Yen-Wen Chen

**3. Face Swapping Neural Networks Based on Improved Autoencoders**

Wei-Jong Yang, Bao-Nan Lin, Jar-Ferr Yang, Pau-Choo Chung and Songan Mao

**4. Interpretable Distance Metric Learning for Handwritten Chinese Character Recognition**

Boxiang Dong, Aparna S. Varde, Danilo Stevanovic, Jiayin Wang and Liang Zhao

**15:30 – 16:40      DATACOM Session V      Room 101**

**Chair: Cheng-Hsin Hsu**

**1. A Data Mining Approach to Surveying Literature on Behavioral Big Data in Operations Management Academic Research**

Hsiao-Hui Lee, Patrizia Mach, Galit Shmueli and Inbal Yahav

**2. Combining Multiple Ranking Systems on the Generalized Permutation Rank Space**

Xinliang Zhong, Landon Hurley, Suman Sirimulla, Christina Schweikert and D. Frank Hsu

**3. Where are the optimization potential of machine learning kernels?**

Christophe Cerin, Congfeng Jiang, Walid Saad and Emna Mekni

**4. Distributed-Memory Vertex-Centric Network Embedding for Large-Scale Graphs**

Sara Riazi and Boyana Norris

**16:50 – 18:00      DATACOM Session VI      Room 101**

**Chair: Yi Zou**

**1. Forecasting Daily Accommodation Occupancy for Supply Preparation by a Sharing Economy Platform**

Ta-Chun Kuan, Sz-Wei Wu, Cheng-Che Liao, Mahsa Ashouri, Galit Shmueli and Che Lin

**2. Computational modelling of speech data integration to assess interactions in B2B sales calls**

Vered Silber-Varod, Anat Lerner, Nehoray Carmi, Daphna Amit, Yonathan Guttel, Chris Orlob and Omri Allouche

**3. Recommendation System for Online Programming Judge Platforms**

Heimei Lao and Che-Rung Lee

**4. Fuzzy-based approach for identifying epistasis in large-scale data**

Cheng-Hong Yang, Sin-Hua Moi, Yu-Da Lin and Li-Yeh Chuang

## **-SOCA Advanced Program**

Tuesday, 19<sup>th</sup> November 2019

**13:30 – 14:50      SOCA Session I                      Room 102**

**Chair: Anna Kobusinska**

- 1. DIMON: Distributed Monitoring System for Decentralized Edge Clouds in Guifi.net**  
Roger Pueyo Centelles, Mennan Selimi, Felix Freitag and Leandro Navarro.
- 2. Monitoring Data Management Services on the Edge Using Enhanced TSDBs**  
Wenxi Zeng, Shuai Zhang, I-Ling Yen, Farokh B. Bastani and San-Yih Hwang
- 3. Evaluation of Autoscaling Metrics for (stateful) IoT Gateways**  
Helge Dickel, Vladimir Podolskiy and Michael Gerndt
- 4. Step-by-Step Guidelines for Making Smart Contract Smarter**  
Ya-Wen Jeng, Yung-Chen Hsieh and Ja-Ling Wu

**15:30 – 16:40      SOCA Session II                      Room 102**

**Chair: Chi-Sheng Shih**

- 1. Web Service Selection with Correlations: A feature-based Abstraction Refinement Approach**  
Kaustabha Ray, Ansuman Banerjee and Swarup Mohalik
- 2. Towards Scalable Semantic Service Composition**  
Soumi Chattopadhyay and Ansuman Banerjee
- 3. Making Sense of a Service-Oriented Architecture (SOA) Governance Framework in Digital Ecosystem Utilizing a Sociotechnical Approach**  
Kedar Patwardhan

**16:50 – 18:00      SOCA Session III                      Room 102**

**Chair: I-Ling Yen**

- 1. Serving Machine Learning Workloads in Resource Constrained Environments: a Serverless Deployment Example**  
Angelos Christidis, Roy Davies and Sotiris Moschoyiannis
- 2. Exploiting recommender service to enhance efficiency of replication**  
Anna Kobusińska, Michał Boroń, Aleksandra Kerebińska, Dionisis Margaritis
- 3. Service-Oriented Architecture for Intelligent Management with Data Analytics and Visualization**  
Hsuan-Yu Lin, Yu-Hsuan Chiu, Wei-Chieh Liao and Ray-I Chang (Work-in-Progress)
- 4. [WiP] Implementation of a Personal Authentication System T-TIME**  
Gi-Chul Yang and Haengun Oh

Wednesday, 20<sup>th</sup> November 2019



**13:30 – 14:50      SOCA Session IV      Room102**

**Chair: Janming Ho**

- 1. PicPose: Using Picture Posing for Localization Service on IoT Devices**  
Yu Meng, Kwei-Jay Lin, Bo-Lung Tsai, Chih-Sheng Shih and Bin Zhang
- 2. Unsupervised Online Anomaly Detection on Multivariate Sensing Time Series Data for Smart Manufacturing**  
Ruei-Jie Hsieh, Jerry Chou and Chih-Hsiang Ho
- 3. Sitting Posture Prediction and Correction System using Arduino-Based Chair and Deep Learning Model**  
Haeyoon Cho, Hee-Joe Choi, Chae-Eun Lee and Choo-Won Sir
- 4. AutoCoach: Driving Behavior Management Using Intelligent IoT Services**  
Zahraa Marafie, Kwei-Jay Lin, Daben Wang, Haoyu Lyu, Yu Meng and Takayuki Ito

**15:30 – 16:40      SOCA Session V      Room 102**

**Chair: Andrzej Skulimowski**

- 1. Priority-based Event Management using Fuzzy Logic for an IoT-BPM Architecture**  
Abir Ismaili-Alaoui, Ouafae Kasmi, Amine Baïna, Karim Baïna, Khalid Benali and Mostafa Bellafkih
- 2. Multilayer Architecture for Content-based Image Retrieval Systems**  
Rafał Grycuk, Patryk Najgebauer, Robert Nowicki and Rafał Scherer
- 3. [WiP] Concept and Implementation of an Adaptive Decentralized Control System for Human-Technology Interaction**  
Thomas Kirks, Jana Jost, Tim Uhlott and Soeren Kerner
- 4. [WiP] Metalworking Industry: Quality Management via Edge Computing-based Cloud Monitoring System**  
Zheng-Wei Wu, Shang-Chih Lin, Po-Chun Hu, Shun-Feng Su and Yennun Huang

**16:50 – 18:00      SOCA Session VI      Room 102**

**Chair: Sotiris Moschoyiannis**

- 1. MToS: Multi-Tenant Network over Software Defined Networking**  
Wen-Kang Jia, Yaw-Chung Chen and Johannes Lin
  - 2. Real-time Proof of Violation with Adaptive Huffman Coding Hash Tree for Cloud Storage Service**  
Jehn-Ruey Jiang and Wei-Sheng Chung
  - 3. [WiP] User Interaction with a Technology Evolution Model to Select Most Viable Enterprise Information Systems**  
Andrzej M.J. Skulimowski and Inez Badecka
  - 4. [WiP] Review of Cybersecurity Research Topics, Taxonomy and Challenges: Interdisciplinary Perspective**  
Hatma Suryotrisongko and Yasuo Musashi
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**16:50 – 18:00      SOCA Session VII   Room 103**

**Chair: Kwei-Jay Lin**

**1. Software Architecture Design of Cloud Platforms in Automotive Domain: An Online Survey**


Ahmad Banijamali, Philipp Heisig, Johannes Kristan, Pasi Kuvaja and Markku Oivo

**2. D&D: A Distributed and Disposable Approach to Privacy Preserving Data Analytics in User-Centric Healthcare**

Zheng Li and Esteban J. Pino

**3. [WiP] IoT Application in Sports to Support Skill Acquisition and Improvement**

Kazunari Ishida





## - SC2 Advanced Program

Tuesday, 19<sup>th</sup> November 2019

**13:30 – 14:50      SC2 Session I                      Room 103**

**Chair: Christophe Cérin**

- 1. uNVMe-TCP: A user space approach to optimizing NVMe over Fabrics TCP transport**  
Ziye Yang, Qun Wan, Gang Cao, Karol Latecki
- 2. qCUDA-ARM: Virtualization for Embedded GPU Architectures**  
Bo-Yu Huang and Che-Rung Lee
- 3. Rethinking Software Defined Cloud Storage for Disaggregation**  
Yi Zou, Arun Raghunath, Anjaneya Chagam, Sujoy Sen and Tushar Gohad
- 4. A SaaS-Native Wildcard Searchable Encryption Scheme for Protecting Privacy in Cloud Services**  
Shen-Ming Chung, Ming-Der Shieh and Tzi-Cker Chiueh


**15:30 – 16:40      SC2 Session II                      Room 103**

**Chair: Chao-Tung Yang**

- 1. An Ethereum-based Data Synchronization Platform for Distributed Networks**  
Jianru Lin, Keshan Zhang, Sicong Zhou, Kangying Lin, Yang Yang, Huawei Huang and Kun Wang
- 2. Distributed Logging Service with Distributed Hash Table for Cloud**  
Takayuki Kushida
- 3. FLEDGE: Kubernetes Compatible Container Orchestration on Low-resource Edge Devices**  
Tom Goethals, Bruno Volckaert and Filip De Turck
- 4. Accelerated Promethee Algorithm based on Dimensionality Reduction**  
Tarek Menouer, Christophe Cérin and Patrice Darmon

**16:50 – 18:00      SC2 Session III                      Room 103**

**Chair: Frank T. Yeh**

- 1. Implementing a Business/Technology Architecture Alignment-Oriented Process Applied to the Social-Sanitary Sector**  
Fernanda Lugmaña-Hidalgo and José Luis Garrido
  - 2. A Lightweight Time Series Main-memory Database for IoT Real-time Services**  
Lina Lan, Ruisheng Shi, Bai Wang and Lei Zhang
  - 3. A review on blockchain-based systems and applications**  
Jingyu Zhang, Siqi Zhong, Jin Wang, Lei Wang, Yaqiong Yang, Boyang Wei and Guoyao Zhou
  - 4. Tuning Runtimes in Open Source FaaS**  
David Balla, Markosz Maliosz, Csaba Simon and Daniel Gehberger
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Wednesday, 20<sup>th</sup> November 2019

13:30 – 14:50

SC2 Session IV

Room 103

Chair: Rebecca Lin

- 1. Achieving Dynamic Resource Allocation in the Hadoop Cloud System**  
Tsozen Yeh and Shengchieh Yu
- 2. A Workflow Interoperability Approach Based on Blockchain**  
Yuchen Fang, Xuanzhao Tang, Maolin Pan and Yang Yu
- 3. Air Pollution Forecasting Using LSTM-Multivariate Regression Model**  
Satheesh Abimannan, Yue-Shan Chang and Chi-Yeh Lin
- 4. Human-centered design tools for smart toys**  
Anna Priscilla de Albuquerque, Judith Kelner and Patrick Hung
- 5. Representing cloud security and privacy policies and detecting potential problems**  
Anthony Opara and Lawrence Chung

15:30 – 16:40

SC2 Session V

Room 103

Chair: Mu-Cheng Wang

- 1. Serverless Skeletons for Elastic Parallel Processing**  
Stefan Kehrer, Jochen Scheffold and Wolfgang Blochinger
- 2. A Realtime Crypto Computing and Block-Dependability**  
Abhilash Kancharla and Nohpill Park
- 3. Architecture to Speed up Redundant Data Processing in a MapReduce Cloud**  
Tzu-Chi Huang, Kuo-Chih Chu, Xue-Yan Zeng, Fu-Lin Jou, Ming-Fong Tsai and Ce-Kuen Shieh
- 4. Offloading Optimization with Delay Distribution in the 3-tier Federated Cloud, Edge, and Fog Systems**  
Ren-Hung Hwang, Yung-Cheng Lai and Ying-Dar Lin

## **- IOV Advanced Program**

Tuesday, 19<sup>th</sup> November 2019

**13:30 – 14:50      IOV Session I                      Room 104**

**Chair: Kun-Chan Lan**

- 1. Uplink Access Control in Narrowband IoT**  
Ren-Hung Hwang, Min-Chun Peng and Bo-Hao Tu
- 2. Utilizing Connectivity Maps to Accelerate V2I Communication in Cellular Network Dead Spots**  
Jon Arild Ekberg Meyer, Ergys Puka and Peter Herrmann

**15:30 – 16:40      IOV Session II                      Room 104**

**Chair: Chung-Ming Huang**

- 1. A novel protocol for Information Dissemination in Vehicular Networks**  
Ravi Tomar, Hanumat G Sastry and Manish Prateek
- 2. Dynamic Path Planning Method Based on Cluster Queuing Communication in VANET**  
Mengdi Du, Shuisheng Lin, Chunbo Luo, Liang Zhou, Haifen Yang and Christos Grecos
- 3. Performance Evaluation of Citywide Intersections Traffic Control Algorithm inVANETs-Based**  
Sarah Baras and Mourad Elhadef
- 4. Task Planning with Manual Intervention using Improved JSHOP2 Planner**  
Liancheng Tao and Ao Zhou

**16:50 – 18:00      IOV Session III                      Room 104**

**Chair: Andrzej M. Skulimowski**

- 1. Multi-task Planning with the Consideration of Task Priority**  
Renkang Ke and Ao Zhou
  - 2. From AI to CI: A Definition of Cooperative Intelligence in Autonomous Driving**  
Jun Liu, Yang Xiao and Jiawei Wu
  - 3. Learning Route Planning from Experienced Drivers Using Generalized Value Iteration Network**  
Xiao Wang, Quan Yuan, Zhihan Liu, Yushun Dong, Xiaojuan Wei and Jinglin Li
  - 4. Predicting Steering for Autonomous Vehicles Based on Crowd Sensing and Deep Learning**  
Taiyu Liu, Jinglin Li and Quan Yuan
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### III. Poster Sessions

Tuesday, 19<sup>th</sup> November 2019

14:50-15:30

Poster I

Venue: Conference Hall

**1. Mid-Tier Models for Big Data**

Jayesh Patel

**2. Forecasting Daily Accommodation Occupancy for Supply Preparation by a Sharing Economy Platform**

Ta-Chun Kuan, Sz-Wei Wu, Cheng-Che Liao, Mahsa Ashouri, Galit Shmueli and Che Lin

**3. Improve User-Experience of E-Commerce Website by Graph Analysis with Deep Learning**

Ray-I Chang

**4. A Data-Driven Approach to Monitoring Colocation Data Centers**

Brian Setz, G Subrahmanya Venkata Radha Krishna Rao, Alexander Lazovik and Marco Aiello

**5. An Empirical Study on Abnormal Trajectory Detection**

Umair Sabir and Che-Rung Lee

**6. Forecasting hotel accommodation demand: the study in Kaohsiung**

Cheng-Hong Yang, Borcy Lee, Hsiang-Yu Yin, Chun-Hung Lien, Yu-Da Lin and Cheng-Feng Lee

**7. Coronary heart diseases prediction based on cardiology clinical features**

Cheng-Hong Yang, Li-Yeh Chuang and Po-Yin Chang

**8. Tiered Financial Fraud Detection Utilizing Precision Stratified Random Forest Assembly**

Charles Gardner and Dan Lo

**9. An Analysis of the Number of Passengers Collected with A Practical Management Support System for Regional Public Transportation Service**

Chinasa Sueyoshi, Hideya Takagi and Kentaro Inenaga

**10. Demo: Stream Processing of Software-Defined Video Analytics on a Smart Campus**

Cheng-Hsin Hsu

**11. Multi-class Vehicle Detection using Multi-scale Hard Negative Mining**

Minsung Kang and Young-Chul Lim

**12. Transparent Big Data Infrastructural Services for Semiconductor Wafer Fabrication Foundries**

Hung-Chang Hsiao

Wednesday, 20<sup>th</sup> November 2019

14:50-15:30

Poster II

Venue: Conference Hall

**1. ExpanAI: A Smart End-to-End Platform for the development of AI applications**

Yongmei Wei

**2. Smoke and Stress Tests for Travel Service Applications via LoadRunner**

Chau-Yi Chou, Yu-Bin Fang, Shuen-Tai Wang and Fang-An Kuo

**3. Privacy-Preserving Content-Based Publish/Subscribe Service Based on Order Preserving Encryption**

Mingdong Li, Qifeng Luo, Lu Wang and Ruisheng Shi

**4. Improve the House Price Prediction Accuracy with a Stacked Generalization Ensemble Model**

Shilong Xiong, Qibo Sun and Ao Zhou

**5. Dysphasia's Voice Extraction and Period Selection in Deep Learning Framework**

Hung-Shing Huang, Yue-Shan Chang and Bo-Yu Lin

**6. AI Model Repository for dynamic model selection on edge devices**

Jaewon Moon and Seungwoo Kum

**7. Enumerating-Based Apriori Algorithms for Mining Frequent Patterns on MapReduce**

Hsing-Lung Chen and Hao-Yu Wang

**8. Overall mortality risk identification in breast cancer registry database**

Cheng-Hong Yang, Sin-Hua Moi, Li-Yeh Chuang, Fu Ou-Yang, Ming-Feng Hou and Yu-Da Lin

**9. Edge Service Migration for Vehicular Networks Based on Multi-Agent Deep Reinforcement Learning**

Haohan Zhang, Jinglin Li and Quan Yuan

**10. A Road Traffic Guidance Service Based on Deep Reinforcement Learning**

Kaihui Chen, Zhihan Liu, Jinglin Li and Quan Yuan

**11. Development of Low-Cost Sensors based Multi-sensors Integration Positioning Algorithm for Land Vehicle Tracking and Monitoring Device**

Chi-Ho Park and Joong-Hee Han

