

2018 IEEE 2nd International Conference on Fog and Edge Computing (ICFEC 2018)

**Washington, DC, USA
1-3 May 2018**



**IEEE Catalog Number: CFP18K56-POD
ISBN: 978-1-5386-6489-6**

**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:	CFP18K56-POD
ISBN (Print-On-Demand):	978-1-5386-6489-6
ISBN (Online):	978-1-5386-6488-9

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

CURRAN ASSOCIATES INC.
proceedings
.com

ICFEC 2018 PROGRAM SCHEDULE

8.30-9.00 Welcome

9.00-10.30 Session-1

- Keynote (60 mins)
- **Short Paper** C. C. Li, P. Wu, H. Wang, E. T.-H. Chu and J. W. S. Liu. "Building/environment Data/information System for Fine-Scale Indoor Location Specific Services"
- **Short Paper** Jared Plumb and Ryan Stutsman. "Exploiting Google's Edge Network for Massively Multiplayer Online Games"

10.30-11.00 Break

11.00-12.30 Session-2

- **Full Paper** Zekun Yang, Ning Chen, Yu Chen and Ning Zhou. "A Novel PMU Fog based Early Anomaly Detection for an Efficient Wide Area PMU Network"
- **Full Paper** Amir Sinaeepourfard, Jordi Garcia, Xavier Masip and Eva Marín Tordera. "Data Preservation through Fog-to-Cloud (F2C) Data Management in Smart Cities"
- **Full Paper** M.Ali, A.Anjum, M.U Yaseen, A.R Zamani, D.Balouek-Thomert, M.Parashar, and O.Rana. "Edge Enhanced Deep Learning System for Large-scale Video Stream Analytics"

12.30-14.00 Lunch

14.00-16.00 Session-3

- **Full Paper** Dian-Yu Lin, Yung-Lin Hsu and Hung-Yu Wei. "A Novel Forwarding Policy under Cloud Radio Access Network with Mobile Edge Computing Architecture"
- **Full Paper** Richard Olaniyan and Muthucumaru Maheswaran. "Synchronous Scheduling Algorithms for Edge Coordinated Internet of Things"
- **Short Paper** Dragi Kimovski, Humaira Ijaz, Nishant Saurabh and Radu Prodan. "Adaptive Nature-inspired Fog Architecture"
- **Short Paper** Mohammed Naas, Jalil Boukhobza, Philippe Raipin and Laurent Lemarchand. "An Extension to iFogSim to Enable Data Placement Strategies."

16.00-16.30 Break

16.30-18.30 Session-4

- **Full Paper** Genc Tato, Marin Bertier and Cedric Tedeschi. "Koala: Towards Lazy and Locality-Aware Overlays for Decentralized Clouds"
- **Full Paper** Nader Mohamed, Jameela Al-Jaroodi and Imad Jawhar. "Fog-Enabled Multi-Robot Systems"
- **Full Paper** Ivan Lujic, Vincenzo De Maio and Ivona Brandic. "Adaptive Recovery of Incomplete Datasets for Edge Analytics"
- **Full Paper** Alina Buzachis, Antonino Galletta, Lorenzo Carnevale, Antonio Celesti, Maria Fazio and Massimo Villari. "Towards Osmotic Computing: Analysing Overlay Network Solutions to Optimize the Deployment of Container-Based Microservices in Fog, Edge and IoT Environments"