

2017 IEEE MobileCloud (URL: <http://www.mobile-cloud.net/>)

The 5th IEEE International Conference on Mobile Cloud Computing, Services, and Applications

April 6, 5:00pm – 8:00pm Conference Registration in the Hotel Lobby.

IEEE Mobile Cloud 2017 Room: PENN II Date: (Friday) April 7, 2017

7:30am - 6:00pm	Registration	
7:30am – 8:30am	Breakfast	
8:30am - 9:15am	Opening Remarks (IEEE SOSE2017/IEEE MobileCloud 2017/IEEE BigDataService 2017)	
9:15am-10:00am	Keynote #1: Speaker: Professor Ling Liu, Georgia Institute of Technology Title: Internet of Things and Services Computing: A Marriage Made in Big Data	Session Chair: Latifur Khan (Room: PENN I + PENN II)
10:00am-10:30am	Break	
10:30am-12:00am	Session 1: Mobile Cloud Framework and Infrastructure	Chair: Hiroyuki Sato (Room: PENN II)
	Paper ID	Title
	(13)	Cowbird: A Flexible Cloud-based Framework for Combining Smartphone Sensors and IoT
	(29)	HVC: A Hybrid Cloud Computing Framework in Vehicular Environments
	(22)	MEC-ConPaaS: An experimental single-board based mobile edge cloud
		Authors
		Roshan Bharath Das, Nicolae Vladimir Bozdog and Henri Bal.
		Jingyun Feng, Zhi Liu, Celimuge Wu and Yusheng Ji.
		Alexandre van Kempen, Teodor Crivat, Benjamin Trubert, Debaditya Roy and Guillaume
12:00pm-1:00pm	Lunch	
1:00pm – 2:00pm	Keynote #2 Title: Mobile Cloud and Data, One Telekom Perspective	Session Chair: Jerry Gao (Room: PENN I + PENN II)
2:00pm – 2:15pm	Break	
2:15pm-3:30pm	Session 2: Mobile Cloud Applications	Chair: Cristian Borcea (Room: PENN II)
	Paper ID	Title
	(35)	An Efficient Double Auction Mechanism for On-Demand Transport Services in Cloud-Based Mobile Commerce
	(26)	Social Media Mediation Robot for Elderly People using External Cloud-based Services
	(45)	Cost Efficiency of Partial Pre-transcoding Video on Demand in the Cloud
		Authors
		Lexin Zhou and Haiping Xu.
		Toru Kobayashi, Kazushige Katsuragi, Taishi Miyazaki and Kenichi Arai.
		Mahmoud Darwich, Ege Beyazit, Mohsen Amini Salehi and Magdy Bayoumi.
3:30pm-4:00pm	Break	
4:00pm-6:00pm	Session 3: Resource Management in Mobile Cloud Computing	Chair: Haiping Xu (Room: PENN I and PENN II)
	Paper ID	Title
	(11)	Augmented Resource Allocation for Disaster Response Coordination in a Mobile Cloud
	(28)	Mobility Prediction for Efficient Resources Management in Vehicular Cloud Computing
		Authors
		Luke Guerdan, Olivia Apperson and Prasad Calyam.
		Ahmad M. Mustafa, Omar M. Abubakr, Omar Ahmadien, Ahmed Ahmedin and Bassem Mokhtar

	(52)	ROSAC: A Round-Wise Fair Scheduling Approach for Mobile Cloud Based on Task Asymptotic Complexity	Shahid Noor and Ragib Hasan
6:30pm- 8:00pm	Reception		

IEEE Mobile Cloud 2017 Room: PENN II and Executive Date: (Saturday) April 8, 2017

7:30am-6:00pm	Registration		
7:30am-8:30am	Breakfast		
8:30am-9:15am	Keynote #3: Speaker: Dr. Roch H. Glitho Associate Professor, Concordia University, Montreal, Canada Title: Augmenting Clouds with NFV and Fogs for Cost Efficient, Agile and QoE - Enabled IoT Applications and Services Provisioning		Session Chair: Hiroyuki Sato (Room: PENN I and PEEN II)
9:15am-9:30am	Break		
9:30am-10:45am	Session 4: Offloading for Mobile Cloud Applications		Session Chair: Hiroyuki Sato (Room: PENN II)
	Paper ID	Title	Authors
	(31)	Cloudlet-assisted Heuristic Offloading for Mobile Interactive Applications	Guansheng Shu, Hua Xu, Jing Li and Xiaojie Zheng.
	(43)	Decision tree-based approaches for handling offloading decisions and performing adaptive monitoring in MCC systems	Paulo A. L. Rego, Elaine Cheong, Emanuel Coutinho, Fernando Trinta, Masum Hasan and Neuman de Souza.
	(47)	Inferring Mobile Apps from Resource Usage Patterns	Amin Rois Sinung Nugroho and Qinghua Li.
10:45am-11:00am	Break		
11:00am-12:30pm	SeMoCloud Workshop Session A Security, Privacy, and Digital Forensics of Mobile Cloud		Session Chair: Lei Chen (Room: PENN II)
	Paper ID	Title	Authors
	(3)	Integrating Trust Profiles, Trust Negotiation, and Attribute Based Access Control	Eugene Sanzi, Steven Demurjian and Jack Billings
	(9)	Hybrid Secure and Scalable Electronic Health Record Sharing in Hybrid Cloud	Rejitha Manoj, Chandana Withan, Nectar Costadopoulos, Abeer Alsadoon and Salih Ali.
	(5)	Mobile Cloud Computing: Security Analysis	Amina Gamlo, Ning Zhang and Omairah Bamasag
12:30pm-1:30pm	Lunch		
1:30pm-2:30pm	Keynote #4: Speaker: Kwei-Jay Lin, University of California, Irvine, USA Title: Building Smart Homes and Buildings using Service-Oriented Things		Session Chair: Omer Rana/Hong Zhu (Room: PENN I+ PENN II)
2:30pm-3:00pm	Break		
3:00pm-4:30pm	SeMoCloud Workshop Session B Security, Privacy, and Digital Forensics of Mobile Cloud		Chair: Lei Chen (Room: PENN II)
	Paper ID	Title	Authors
	(1)	A Framework for Cloud Forensic Readiness in Organizations	Ahmed Alenezi, Raid Hussein, Robert Walters and Gary Wills.
	(6)	A Framework and the Design of Secure Mobile Cloud with Smart Load Balancing	Isaac Cushman, Md Baitul Al Sadi, Lei Chen and Rami Haddad.
	(27)	Achieving RBAC on RESTful APIs for Mobile Apps using FHIR	Yaira Rivera Sanchez, Steven Demurjian and Mohammed Baihan
4:30pm-5:0pm	Break		

5:00pm-6:30pm	IEEE MobileCloud Poster Session (Executive Room)
7:00pm- 9:00pm	Banquet (Dinner) (Free for Everyone with a ticket. Each registration has one ticket)

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Room: PENN II

Date: (Sunday) April 9, 2017

7:30am- 5:00pm	Registration		
7:30am- 8:30am	Breakfast		
8:30am-9:15am	Keynote #5 Speaker: T Peter Ruppel, Technische University at Berlin, Germany Title: Mobile Cloud Computing and Operations	Session Chair: Cristian Borcea (Room: PENN I and PENN II)	
9:15am-9.30am	Break		
	Session 5: Mobile Cloud Networking and Crowd sensing		
	Session Chair: Hiroyuki Sato (Room: PENN II)		
	Paper ID	Title	
		Authors	
(33)	Extensible Orchestration of Elastic IP Multimedia Subsystem as a Service using Open	Riccardo Venanzi, Paolo Bellavista, Luca Foschini and Giuseppe Antonio Carella	
(44)	SoftAccess: Cloud-based Software Defined Virtualized Wireless Mobile Access Network	Kuldip Singh Atwal and Mostafa Bassiouni	
(30)	Sensing Interpolation Strategies for A Mobile Crowdsensing Platform	Stefano Chessa, Michele Girolami, Mauro Dragone, Luca Foschini and Gaia Adami.	
	Break		
11.00am-12.30am	Session 6 : Mobile Cloud and Internet of Things	Session Chair: Luca Foschini (Room: PENN II)	
	Paper ID	Title	
		Authors	
	(50)	HSC-IoT: A Hardware and Software Co-Verification based Authentication Scheme for Internet of Things	Mahmud Hossain, Shahid Noor and Ragib Hasan
	(21)	On Supporting Contract-aware IoT Dataspace Services	Florin-Bogdan Balint and Hong-Linh Truong
(10)	A Mobile Cloud Hierarchical Trust Management Protocol for IoT Systems	Jia Guo, Ing-Ray Chen and Jeffrey Tsai	
12:30am-1.30pm	Lunch		
1.30 pm-2.30 pm	Keynote 6: Hamid Reza Motahari Neshad IBM Almaden Research Center, USA	Session Chair: W. K. Chan (Room: PENN I and PENN II)	
2:45pm-4:00pm	MobileCloud 7: Service Reliability and Optimization	Session Chair: Cristian Borcea (Room: PENN II)	
	Paper ID	Title	
		Authors	
	(12)	Dynamic Fault-tolerance and Mobility Provisioning for Services on Mobile Cloud Platforms	Philip Stahl, Jonatan Broberg and Bjorn Landfeldt
(51)	Multi-Objective Particle Swarm Optimization for VM Placement(MOPSO-VMP) in Multi-Cloud	Vineeth Ramesh, Geethapriya Ramakrishnan and Saswati Mukherjee	
2:30pm-3:00pm	Break		
3:00pm-6:00PM	Tutorial Topic: "From Participatory to Opportunistic Mobile Crowd Sensing: Techniques and Research Challenges"	Chair: Luca Foschini (Room PENN II)	

IEEE Mobile Cloud 2017

Room: PENN I and PENN II

Date: (Sunday) April 10, 2017

In Conjunction with IEEE Joint Summit on Big Data and Smart City

URL: <http://smart-city-conference.com/BDS2017/index.html>

