

**11th International Conference on Queueing Theory and Network Applications  
(QTNA2016)**

**13 – 15 December 2016, Wellington, New Zealand**

**Scientific Programme**

<b>Day 1: Tuesday 13 December 2016</b>	
<b>Registration / Morning Tea 9:00 – 10:00 (AM104)</b>	
<b>QTNA 2016 Opening 10:00 – 10:15 (AM102)</b>	
<b>Ying-Dar Lin, <i>Network Cloudification: From SDN-NFV and 5G-MEC to Their Modelling and Optimization</i></b> <b>Chair: Winston Seah</b> <b>Plenary talk 10:15 – 11:15 (AM102)</b>	
<b>AM102 (Session 1) Best Paper Award</b> <span style="float: right;"><b>Chair: Peter Chong</b></span>	
11:20 – 11:40	Sangdon Park, Ganguk Hwang and Jun Kyun Choi. <i>Optimal Throughput Analysis of Random Access Policies for Cognitive Radio Networks with Multiple Channel Access</i>
11:40 – 12:00	Hideaki Takagi. <i>Times to Service Completion and Abandonment in the M/M/m Preemptive LCFS Queue with Impatient Customers</i>
12:00 – 12:20	Sabine Wittevrongel, Bart Feyaerts, Herwig Bruneel and Stijn De Vuyst. <i>Delay analysis of a queue with reservation-based scheduling and class-dependent service times</i>
12:20 – 12:40	Kurt Van Hautegeem, Wouter Rogiest and Herwig Bruneel. <i>Optical Switching for Variable Size Packets: Improved Void Filling through Selective Void Creation</i>
12:40 – 13:00	Moeko Yajima, Tuan Phung-Duc and Hiroyuki Masuyama. <i>The stability condition of BMAP/M/∞ queues</i>
<b>13:00 – 14:00 Lunch (AM104)</b>	
<b>AM102 (Session 2) 14:00 – 17:00 Poster Session</b> <span style="float: right;"><b>Chair: Stefanka Chukova</b></span>	
	Dieter Fiems and Tuan Phung-Duc. <i>Light-traffic analysis of queues with limited heterogenous retrials</i>
	Azam Asanjarani. <i>QBD Modelling of a finite state controller for queueing systems with unobservable Markovian environments</i>
	Kyunghwan Choi and Bongkyoo Yoon. <i>A Survey on the Queueing Inventory Systems with Phase-type Service Distributions</i>
	Tuan Phung-Duc and Ken'Ichi Kawanishi. <i>Impacts of Retrials on Power-Saving Policy in Data Centers</i>
	Hiroyuki Masuyama, Yutaka Sakuma and Masahiro Kobayashi. <i>Simple error bounds for the QBD approximation of a special class of two dimensional reflecting random walks</i>
	Yang Woo Shin and Dug Hee Moon. <i>Variability of output in two-node tandem production line</i>
	Koya Mizuno and Yutaka Takahashi. <i>Performance Analysis of Tag Identification Time in Passive RFID Systems</i>
	Krishnamoorthy Achyutha and Dhanya Shajin. <i>Stochastic Decomposition in Retrial Queueing Inventory System</i>
	<b>Afternoon Tea/Coffee Break (AM104)</b> <b>3:30 – 4:00</b>

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<b>Day 2: Wednesday 14 December 2016</b>	
<b>Bong Dae Choi, <i>Performance Analysis of a MAC Protocol Consisting of EDCA on the CCH and a Reservation on the SCHs for the IEEE 802.11p/1609.4 WAVE</i></b> <b>Chair: Shoji Kasahara</b> <b>Plenary talk 9:30 – 10:30 (AM102)</b>	
<b>10:30 – 11:00 Morning Tea/Coffee Break (AM104)</b>	
<b>AM102 (Session 3) Contributed papers</b> <span style="float: right;"><b>Chair: Yutaka Takahashi</b></span>	
11:00 – 11:20	Bara Kim and Jeongsim Kim. <i>Waiting time distribution for polling systems with retrials and deterministic glue periods</i>
11:20 – 11:40	Demir Yavas, Ibrahim Hokelek and Bilge Gonsel. <i>Modeling of Priority-based Request Scheduling Mechanism for Finite Buffer SIP Servers</i>
11:40 – 12:00	Dequan Yue, Guoxi Zhao and Wuyi Yue. <i>Analysis of an Multi-server Queueing-inventory System with Non-homogeneous Poisson Arrivals</i>
12:00 – 12:20	Shunsuke Matsuzawa and Yutaka Takahashi. <i>Performance Analysis of Advanced Metering Infrastructure with Multihop Hybrid Communication System</i>
12:20 – 12:40	Jianping Liu, Shunfu Jin and Wuyi Yue. <i>Multiple Sleep Mode Analysis for Energy Conservation in Cognitive Radio Networks</i>
<b>12:40 – 14:00 Lunch (AM104)</b>	

<b>AM102 (Session 4) Contributed Papers</b> <span style="float: right;"><b>Chair: Bryan Ng</b></span>	
14:00 – 14:20	Yuan Zhao and Wuyi Yue. <i>An Adjustable Access Control Scheme in Cognitive Radio Networks with Multiple Secondary Users</i>
14:20 – 14:40	Velika Dragieva and Tuan Phung-Duc. <i>Two-Way Communication M/M/1 Retrial Queue with Server-Orbit Interaction</i>
14:40 – 15:00	Hazim Jarrah, Peter Chong, Nurul I. Sarkar and Jairo Gutierrez. <i>A Time-Free Comparison-Based System-Level Fault Diagnostic Model for Highly Dynamic Networks</i>
15:00 – 15:20	Akifumi Maeda, Shoji Kasahara and Yutaka Takahashi. <i>Dynamic Task Scheduling for Energy Harvesting Nodes in Wireless Sensor Networks</i>
<b>Conference Banquet – arrive 18:00 at Te Papa</b>	

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<b>Day 3: Thursday 15 December 2016</b>	
<b>AM102 (Session 5) Invited and Contributed Papers</b> <span style="float: right;"><b>Chair: Adrian Pekar</b></span>	
10:00 - 10:20	Kin Kee Chow. <i>Functionalized Optical Fibre Sensors for Real-Time Environmental Monitoring Applications (invited paper)</i>
10:20 – 10:40	Aminu Bello Usman and Jairo Gutierrez. <i>A Reliability-Based Trust Model for Efficient Collaborative Routing in Wireless Networks (invited paper)</i>
10:40 – 11:00	La Thanh Tam, Alvin Valera, Hwee-Pink Tan and Cheryl Koh. <i>Online Detection of Behavioral Change Using Unobtrusive Eldercare Monitoring System</i>
11:00 – 11:20	Jerim Kim, Bara Kim and Hsing Luh. <i>Analysis of a Markovian feedback queue with multi-class customers</i>
11:20 – 11:40	Hiroki Morii and Yutaka Takahashi. <i>Performance Analysis of Server Operation with Block Hiring Policy in Cloud Services</i>
<b>AM102 11:40 – 11:50 QTNA 2016 Closing</b>	
<b>11:50 – 13:00 Lunch (AM104)</b>	
<b>13:00 Wine Tour</b>	