

Yuzhe (Richard) Tang

ytang100@syr.edu • +1 678 793 2706 • ecs.syr.edu/faculty/yuzhe
4-206 Center for Science and Technology, Syracuse, NY 13244-4100, USA

Academic Position

2014 - Assistant Professor, Department of EECS, Syracuse University

Education

Ph.D. Georgia Institute of Technology (Atlanta, GA USA), 2009-2014
M.Sc. Fudan University (Shanghai, China), 2006-2009
B.Sc. Fudan University (Shanghai, China), 2002-2006

Research Interests

Distributed systems, Security and privacy, Performance optimization, Databases

Selected Publication

- HotCloud'15 *Privacy-Preserving Offloading of Mobile App to the Public Cloud*
Yue Duan, Mu Zhang, Heng Yin, **Yuzhe Tang**
- TBC'15 *Secure Multi-party Computation on Grid Logistic Regression*
Haoyi Shi, Shuang Wang, Wenrui Dai, **Yuzhe Tang**, Xiaoqian Jiang, Lucila Ohno-Machado
- Bioinformatics'15 *HEALER: Homomorphic computation of ExAct Logistic rEgRes-sion for secure rare disease variants analysis in GWAS*
Shuang Wang, Y. Zhang, W. Dai, K. Lauter, M. Kim, **Yuzhe Tang**, X. Jiang
- TKDE'15 *Privacy-Preserving Multi-Keyword Search in Information Networks*
Yuzhe Tang, Ling Liu
- CCGrid'15 (Best) *Deferred Lightweight Indexing for Log-Structured Key-Value Stores*
Yuzhe Tang, Arun Iyengar, Wei Tan, Liana Fong, Ling Liu, Balaji Palanisamy
Best Paper Award
- ACSAC'14 *Lightweight Authentication of Freshness in Outsourced Key-Value Stores*
Yuzhe Tang, Ling Liu, Xin Hu, Jiyong Jang
- ICDCS'14 *e-PPI: Locator Service in Information Networks with Personalized Privacy Preservation*
Yuzhe Tang, Ling Liu, Arun Iyengar
- EDBT'14 *Diff-Index: Differentiated Index in Distributed Log-Structured Data Stores*
Wei Tan, Sandeep Tata, **Yuzhe Tang**, Liana Fong
- TPDS'13 *Auto-pipelining for Data Stream Processing*
Yuzhe Tang, Bugra Gedik
- Cloud'12 (Best) *Reliable State Monitoring in Cloud Data Centers*
Shicong Meng, Arun Iyengar, I. Rouvellou, L. Liu, K. Lee, B. Palanisamy, **Yuzhe Tang**
Best Paper Award
- CIKM'11 *Privacy Preserving Indexing for eHealth Information Networks*
Yuzhe Tang, Ting Wang, Ling Liu, Shicong Meng, Balaji Palanisamy
- TPDS'11 *A Lightweight Multi-dimensional Index for Complex Queries over DHTs*
Yuzhe Tang, Jianliang Xu, Shuigeng Zhou, Wang-Chien Lee, Dingxiong Deng, Yue Wang
- TKDE'10 *LIGHT: A Query-Efficient yet Low-Maintenance Indexing Scheme over DHTs*
Yuzhe Tang, Shuigeng Zhou, Jianliang Xu
- ICDCS'09 *m-LIGHT: Indexing Multi-Dimensional Data over DHTs*
Yuzhe Tang, Jianliang Xu, Shuigeng Zhou, Wang-Chien Lee
- ICDCS'08 *LHT: A Low-Maintenance Indexing Scheme over DHTs*
Yuzhe Tang, Shuigeng Zhou

Patents

2014 Adaptive Auto-pipelining in Stream Processing Applications: US20140101668
Bugra Gedik, Scott A. Schneider, **Yuzhe Tang**, Kun-lung Wu

Teaching

2015 Fall CIS655/CSE661, *Advanced Computer Architecture*
Enrollment: 180 students
2015 Spring CIS700/CSE791, *Distributed Systems in Cloud*, [[website](#)]
2014 Fall CIS655/CSE661, *Advanced Computer Architecture*
Enrollment: 180 students

Research Funding

2015 Optimizing Privacy-Preserving Analytics in Information Networks
Yuzhe Tang (PI), \$69,861

Student Supervision

Ph.D. Ju Chen, Katchaguy Areekijseree
Master Haoyi Shi

Professional Services

P.C. ICDCS'15, Cloud'15, PAIS@EDBT'15, TWeb'15, TCSVT'14
Reviewer ICDCS, TKDE, ICDE, Middleware, IEEE P2P, DEBS, MDM, JPDC, TSC
Summarizer HealthTech@UserixSecurity'14

Internship Experience

05/2013-08/2013 IBM Research (T.J. Watson Lab) at Yorktown Heights, NY USA
05/2012-08/2012 IBM Research (T.J. Watson Lab) at Yorktown Heights, NY USA
05/2011-08/2011 IBM Research (T.J. Watson Lab) at Hawthorn, NY USA
05/2010-08/2010 NEC Labs America at Cupertino, CA USA
01/2009-06/2009 Microsoft Research Asia at Beijing, China
01/2006-04/2006 IBM Corp. at Shanghai, China