

Meiyi Ma

Department of Computer Science, University of Virginia

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EDUCATION Ph.D in Computer Science Aug. 2015 - May 2020 (Expected)
BACKGROUND *Advisor: John A. Stankovic, University of Virginia, VA, U.S.*

M.S. in Computer Science Sep. 2012 - March 2015
Advisor: Xiang Feng, East China University of Science and Technology, Shanghai, China
Thesis “Models of Crystal-Cluster Behaviors: Theoretical Analysis and Application”
Overall GPA: 89/100, 3.84/4 Major GPA: 89.3/100, 3.9/4 Rank: 3/38

B.S. in Computer Science and B. E. Economics Sep. 2008 - July 2012
East China University of Science and Technology, Shanghai, China
Overall GPA: 86/100, 3.5/4 Major GPA: 89.3/100, 3.7/4 Rank: 7/213

SELECTED **CityResolver: A Decision Support System for Conflict Resolution in Smart Cities.**
PUBLICATIONS **Meiyi Ma**, John Stankovic, Lu Feng. *The 9th ACM/IEEE International Conference on Cyber-Physical Systems*. 2018.4.

Runtime Monitoring of Safety and Performance Requirements in Smart Cities. **Meiyi Ma**, John Stankovic, Lu Feng. *1st ACM Workshop on the Internet of Safe Things*. 2017.11.

M2G: A Monitor of Monitoring Systems with Ground Truth Validation Features for Research-oriented Residential Applications. **Meiyi Ma**, et al. *14th IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS)*. 2017.10

CityGuard: A Watchdog for Safety-Aware Conflict Detection in Smart Cities. **Meiyi Ma**, Sarah Masud Preum, and John A. Stankovic. *Internet-of-Things Design and Implementation (IoTDI), 2017 IEEE/ACM Second International Conference on*. IEEE, 2017.

Detection and Resolution of Conflicts among Services in Smart Cites. **Meiyi Ma**, S. Masud Preum, M. Ahmed, W. Tarneberg, M. Ruiters, and J. Stankovic. *2nd IEEE International Conference on Smart Computing*.

Preclude: Conflict detection in textual health advice. Sarah Masud Preum, Abu, Mondol, **Meiyi Ma**, et al. *Pervasive Computing and Communications (PerCom), 2017 IEEE International Conference on*. IEEE, 2017.

Preclude2: Personalized conflict detection in heterogeneous health applications. Preum, Sarah Masud, Abu Sayeed Mondol, **Meiyi Ma**, Hongning Wang, and John A. Stankovic. *Pervasive and Mobile Computing* (2017).

Crystal Energy Optimization Algorithm. Xiang Feng, **Meiyi Ma**, Huiqun Yu. *Computational Intelligence*, 2014,11.

Social Group Search Optimizer Algorithm for Ad Hoc Network. Xiang Feng, **Meiyi Ma**, Huiqun Yu. *Ad Hoc & Sensor Wireless Networks* , 2015, 12(28)

SELECTED NSF Travel Awards to 2018 CAV mentoring workshop May 2018
HONORS & NSF Travel Awards to 2017 ACM Sensys Nov. 2017
AWARDS NSF Travel Awards to 2017 IEEE MASS Oct. 2017
NSF Travel Awards to 2017 CPS Week Apr. 2017
NSF Travel Awards to 2016 IEEE SmartComputing Apr. 2016
Master Thesis Award, ECUST, China (1/635) Oct. 2014
National Scholarship, Education Department of China (1/635) Oct. 2014

ACTIVITIES Serving as the Information Director for ACM Transactions on Computing for Healthcare.
Serving as Publicity Chair of 2nd ACM Workshop on the Internet of Safe Things
Served as Local Chair of International Workshop on Next-Generation Cyber-Physical Systems