

## Na Li

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### RESEARCH INTERESTS

My research interest focuses on privacy and security in networking and social computing.

### EDUCATION

2007-2012 Ph.D. Department of Computer Science and Engineering, University of Texas at Arlington. Thesis Title: Effective and Secure Use of Human Relation Networks.

2005-2007 M.S., Computer Network Information Center, Chinese Academy of Sciences, Beijing, China.

2001-2005 B.E., Department of Computer Science, Nan Kai University, China.

### EMPLOYMENT

2015-Present Assistant Professor, Department of Computer Science, Prairie View A&M University

2013-2015 Assistant Professor, Department of Mathematics, Computer Science and Information Systems, Northwest Missouri State University

2011-2013 Lecturer, Department of Computer Science and Engineering, University of Texas at Arlington.

2009-2012 Research Assistant, Department of Computer Science and Engineering, University of Texas at Arlington.

2007-2009 Teaching Assistant, Department of Computer Science and Engineering, University of Texas at Arlington.

### RESEARCH PUBLICATIONS

#### Journal/Magazine Papers

1. N. Li, Y. Liu, V. M. Doddapaneni and S. S. Malka, "The Design of a Friend Search Web Service for Studying Users' Query Behavior", IEEE Computer Society Special Technical Community on Social Networking E-Letter, Special Issue on Security and Privacy in Online Social Networks, vol. 2, no. 4, December 2014.
2. M. Raj, N. Li, D. Liu, M. Wright, and S. K. Das, "Using data mules to preserve source location privacy in Wireless Sensor Networks", (invited) Pervasive and Mobile Computing, Elsevier, vol. 11, April 2014, Pages 244–260.

3. N. Li, N. Zhang, and S. K. Das, "Relation privacy disclosure in publishing online networks", in IEEE Internet Computing, Special Issue on Security and Privacy in Social Networks, May/June 2011, vol. 15(3), pp. 35-42.
4. N. Li and S. K. Das, "A trust-based framework for data forwarding in opportunistic networks", Ad Hoc Networks Journal, Special Issue on Wireless Communication in Challenged Environments, vol 11(4), pp. 1497–1509, 2013.
5. N. Li, N. Zhang, S. K. Das, and B. Thuraisingham, "Privacy preservation in wireless sensor networks: a state-of-the-art survey," Ad Hoc Networks Journal, Special Issue on Privacy and Security in Wireless Sensor and Ad Hoc Networks, vol. 7, Nov. 2009, pp. 1501-1514.
6. Y. Bi, N. Li, and L. Sun, "DAR: an energy-balanced data gathering scheme for wireless sensor networks," Elsevier Computer Communications Journal, Special Issue on Network Coverage and Routing Schemes for Wireless Sensor Networks, vol. 7, Oct. 2007, pp. 2812-2825.
7. Y. Bi, L. Sun, and N. Li, "BoSS: a moving strategy for mobile sinks in wireless sensor networks," International Journal of Sensor Networks, Special Issue on Interdisciplinary Design of Algorithms and Protocols in Wireless Sensor Networks, Vol. 5, 2009, pp. 173-184.
8. Y. Bi, L. Sun, J. Ma, N. Li, I. A. Khan, and C. Chen, "HUMS: an autonomous moving strategy for actuators in data-gathering networks," EURASIP Journal on Wireless Communications and Networking, Special Issue on Novel Techniques for Analysis & Design of Cross-Layer Optimized wireless Sensor Networks, 2007.

### Conference/Workshop Papers and Demonstrations

1. N. Li, "Privacy-Aware Display Strategy in Friend Search," in IEEE International Conference on Communications (ICC), Communication and Information Systems Security Symposium, pp. 951-956, 2014.
2. M. Di Francesco, N. Li, M. Raj, and S. K. Das, "A Storage Infrastructure for Heterogeneous and Multimedia Data in the Internet of Things", in Proceedings of IEEE International Conference on Green Computing and Communications (GreenCom), 2012, pp. 26-33, 2012.
3. N. Li, S. K. Das, and N. Zhang, "Brief announcement: local-view based subgraph connectivity on online social networks," in Proceedings of 14th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2012).
4. N. Li, "Community Detection on Online Social Networks," presented at Ph.D. Forum in conjunction with ICDCN, Jan 5, 2012 (Best Ph.D. Forum Award).
5. N. Li, M. Raj, D. Liu, M. Wright, and S. K. Das, "Using data mules to preserve source location in wireless sensor networks," in Proceedings of the 13th International Conference on Distributed Computing and Networking (ICDCN 2012), HongKong, Jan 3-6, 2012, pp. 309-324 (Best Paper Nomination).
6. N. Li, N. Zhang, and S. K. Das, "Relationship Privacy Preservation in Publishing Online Social Networks," in Proceedings of the 3rd IEEE International Conference on Social Computing (SocialCom 2011), MIT, Boston, Oct 9-11, 2011, pp. 443 – 450.

7. M. Di Francesco, N. Li, L. Cheng, M. Raj, and S. K. Das, "A framework for multimodal sensing in heterogeneous and multimedia wireless sensor networks," in Proceedings of the 12th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2011), demonstration, Italy, June, 2011.
8. N. Li and S. K. Das, "RADON: reputation-assisted data forwarding in opportunistic network," in Proceedings of the Second International Workshop on Mobile Opportunistic Networking (Mobiopp 2010), Italy, Feb 22-23, 2010, pp 8-14.

### Book Chapters

1. N. Li, and S. K. Das, "The applications of k-anonymity and  $\ell$ -diversity in publishing online social networks", (invited) book chapter, Security and Privacy in Social Networks, pp 153-179, 2013.
2. N. Li, N. Zhang, and S. K. Das, "Relation privacy disclosure in publishing online social networks", (invited) book chapter, Chapter 17, Handbook on Securing Cyber-Physical Infrastructure, Morgan Kaufman, 2012.
3. S. K. Das, N. Li, and N. Zhang, "Privacy-preserving techniques in wireless sensor networks," (invited) book chapter, Chapter 4, Annals of Emerging Research in IA, Security and Privacy Services, Elsevier, 2008.

### PRESENTATIONS

1. "Privacy in Social Computing and Mobile Networking", invited talk, Montana State University, January 2015
2. Faculty research presentation (invited) at the 6<sup>th</sup> Central Area Networking and Security Workshop (CANSec), October 2014
3. "Privacy-Aware Display Strategy in Friend Search," paper presentation, IEEE International Conference on Communications (ICC), Communication and Information Systems Security Symposium, June 2014
4. "Privacy awareness in Social computing", invited talk, Univ. of Texas at El Paso, February 2013
5. "Privacy Awareness in Social & Pervasive Computing", invited talk, Bowling Green State University, February 2013
6. "Effective and Secure Use of Human Relation Networks", invited talk, Univ. of Arkansas at Fayetteville, June 2012
7. "Community Detection on Online Social Networks", poster presentation at Ph.D. forum, ICDCN, January 2012
8. "Relationship Privacy Preservation in Publishing Online Social Networks", presentation at SocialCom, October 2011
9. "Preserving location privacy of data source in wireless sensor networks", poster presentation at Symposium on Emerging Trends in Mobile, Sensor, and Social Networks, October 2010
10. "Link privacy preservation in publishing online social network", presentation at ACM Student Research Competition, September 2010

### AWARDS

- 2014            Scholarship sponsored by ACM-W for attending the 1<sup>st</sup> National Women in Cybersecurity conference

2012 Lockheed Martin Outstanding Contribution to CSE at UTA  
 2012 ICDCN travel grant  
 2011 Body Sensor Networks conference travel grant  
 2011 Percom conference travel grant  
 2010 Grace Hopper Computing Scholarship (GHC)  
 2010 Scholarship from Microsoft Research for SRC in conjunction with GHC  
 2010 Summer School on Trustworthy Computing Scholarship (at CMU)  
 2010 WoWMoM conference travel grant  
 2009 Illinois Wireless Summer School Scholarship (at UIUC)  
 2009 Percom conference travel grant  
 2008 Supercomputing conference travel grant  
 2006 "Praise award for the article" in IBM SOA Cup Contest 2006

## PROFESSIONAL ACTIVITIES

### Reviewing Technical Articles For:

ICNP, Infocom, Percom, SocialCom, VLDB, Wisec, JPDC, Computer Communications, MSN, WCNC

### Program Committee Members:

2015 WiCyS Post Session Judge  
 2015 WCNC Technical Program Committee  
 2014 Gold Team for Cyber Defense Competition in CANSec  
 2014 ICC Session Chair  
 2014 WiCyS Post Session Judge  
 2014 WCNC Technical Program Committee  
 2013 MINK WIC Poster Session Judge  
 2013 ICCVE Technical Program Committee  
 2012 WCNC Technical Program Committee  
 2012 SocialCom Program Committee  
 2010 MSN Program Committee

### Panelist

2014 NSF Panels  
 2014 Faculty Research Panel at Northwest Missouri State University

### Other Activities:

- Undergraduate advisor at Northwest Missouri State University, 2014~2015
- Faculty support for Cyber Defense Club at Northwest, 2014~2015
- Mentor of undergraduate students at Northwest Missouri State University for Cyber Defense Competitions (Faculty support for the Cyber Security Club at Northwest), 2013~2015
- Local organization committee for NSF CISE CAREER Workshop at the University of Texas at Arlington, May 2013
- ACM and IEEE
- N^2 Women Group