

Accepted Manuscript

Title: Achieving efficient and privacy-preserving truth discovery in crowd sensing systems

Author: Guowen Xu, Hongwei Li, Chen Tan, Dongxiao Liu, Yuanshun Dai, Kan Yang

PII: S0167-4048(16)30167-5

DOI: <http://dx.doi.org/doi: 10.1016/j.cose.2016.11.014>

Reference: COSE 1068

To appear in: *Computers & Security*



Please cite this article as: Guowen Xu, Hongwei Li, Chen Tan, Dongxiao Liu, Yuanshun Dai, Kan Yang, Achieving efficient and privacy-preserving truth discovery in crowd sensing systems, *Computers & Security* (2016), <http://dx.doi.org/doi: 10.1016/j.cose.2016.11.014>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Achieving Efficient and Privacy-preserving Truth Discovery in Crowd Sensing Systems

Guowen Xu[†], Hongwei Li^{† §}, Chen Tan[†], Dongxiao Liu^{SS}, Yuanshun Dai[†], Kan Yang^{*}

[†] School of Computer Science and Engineering, University of Electronic Science and Technology of China, China

[§] State Key Laboratory of Information Security (Institute of Information Engineering, Chinese Academy of Sciences, Beijing 100093)

^{SS} Department of Electrical and Computer Engineering, University of Waterloo, Waterloo, ON, N2L 3G1, Canada

^{*} Department of Computer Science, University of Memphis, U.S

Biographical Sketch

Guowen Xu received his B.S. degree in information and computing science from Anhui University of Architecture (AUA) in 2014. Currently, he is a master student at the School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), China. His research interests include cryptography, Searchable encryption, and the secure big data.

Hongwei Li is a Professor with the School of Computer Science and Engineering, University of Electronic Science and Technology of China, China. He received the PhD degree in computer software and theory from University of Electronic Science and Technology of China, China in 2008. He has worked as a Post-Doctoral Fellow in Department of Electrical and Computer Engineering at University of Waterloo for one year until Oct. 2012. His research interests include network security, applied cryptography, and trusted computing. Dr. Li serves as the Associate Editor of Peer-to-Peer Networking and Applications, the Guest Editor for Peer to-Peer Networking and Applications Special Issue on Security and Privacy of P2P Networks in Emerging Smart City. He also serves on the technical program committees for many international conferences such as IEEE INFOCOM, IEEE ICC, IEEE GLOBECOM, IEEE WCNC, IEEE SmartGridComm, BODYNETS and IEEE DASC. He is a member of IEEE, a member of China Computer Federation and a member of China Association for Cryptologic Research.

Tan Chen received his B.S. degree in Information Security from University of Electronic Science and Technology of China (UESTC) in 2016. Currently, he is a master student at the School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), China. His research interests include cryptography and network attack and defense.

Download English Version:

<https://daneshyari.com/en/article/4955487>

Download Persian Version:

<https://daneshyari.com/article/4955487>

[Daneshyari.com](https://daneshyari.com)