

## Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

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## Important Dates:

Paper submission deadline:

25 Jan. 2014

First round notification:

15 Mar. 2014

Revised papers due:

1 May 2014

Final acceptance: 15 June 2014

Estimated Publication: 4Q 2014

[www.Springer.com/12083](http://www.Springer.com/12083)



ISSN: 1936-6442 (print)  
1936-6450 (electronic)

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## ~Special Issue Proposal~

# Security and Privacy of P2P Networks in Emerging Smart City

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Recently, the smart city has been introduced as a promising concept due to its potential benefits including low-carbon economy, intelligent traffic management, ubiquitous information sharing, and etc. In the smart city, there are many key components, such as smart grid, smart vehicle, smart cloud, and mobile social network. Thanks to the good scalability and low processing cost on content delivery and distributed search engine in these components, P2P technologies are expected to play an essential role in accelerating the implementation of the smart city.

Although we have witnessed the major and remarkable development in the field of smart city in the recent years, the security and privacy issues of the smart city have not been well studied. Thus, there is a crucial need for security and privacy research to achieve secure and privacy-preserving smart city. The purpose of this special issue is to report on the most up-to-date contributions in smart city from P2P perspective. Researchers and practitioners are invited to submit theoretical or applied papers dealing with the following topics (but not limited to):

- Security and Privacy Issues in P2P based **Smart Grid**
  - Authentication, authorization, and access control for smart appliances
  - Security and privacy in smart meters, energy auction markets, and distributed power generations
  - Implementation and testbed for security evaluation in the smart grid
- Security and Privacy Issues in P2P based **Smart Vehicle**
  - Security policies, standards, and regulations in vehicle ad-hoc networks (VANETs)
  - Authentication, authorization, accounting, secure routing, and privacy protection in VANETs
  - Implementation and testbed for security evaluation in VANETs
- Security and Privacy Issues in P2P based **Smart Cloud**
  - Keyword searching and matching in cloud computing
  - Authentication, authorization, accounting, access control and privacy protection in cloud computing
  - Attack modeling, prevention, mitigation, and defense in cloud computing
  - Implementation and testbed for security evaluation in cloud computing
- Security and Privacy Issues in P2P based **Mobile Social Network**
  - Authentication, authorization, access control and privacy protection in mobile social network
  - Secure information sharing, searching and matching in mobile social network
  - Implementation and testbed for security evaluation in mobile social network

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<http://www.springer.com/journal/12083>

Peer-to-Peer Networking and Applications

Editor-in-Chief: Shen, X.S.

ISSN: 1936-6442 (print version)

ISSN: 1936-6450 (electronic version)

Journal no. 12083