Call for Book Chapters

Book Title: Smart Micro-Grid Systems Security and Privacy

Springer Book Series on "Advances in Information Security" (Series Ed. Jajodia, Sushil)

Synopsis:

Smart grids offer a cost-effective approach to fair and equitable power provisioning in urban areas. Applying smart grids to rural and remote areas that have no and/or intermittent access to national power networks, can be both expensive and logistically challenging. Smart micro-grids offer a suitable alternative but must be architected to protect against energy theft and privacy violation attacks. Protecting against both aspects is important in guaranteeing grid usability, trust, and reliability which are needed to ensure grid stability.

For economic reasons, such smart micro-grid architectures are designed to rely on distributed energy sources coordinated via a communication network based on low cost, low processing power computational devices. As such, the micro-grid is reliant on an amorphous distributed model of users who agree to cooperate to share electricity. The absence of a central trusted grid monitoring and management facility therefore requires a shift in conceptualization from the standard grid model.

We welcome book chapters centred (but not exclusively) on the following themes:

1. Smart Micro-Grid Architectures
2. Authentication and Authorization Models
3. Security and Privacy-Aware Resource Allocation
4. Trust-Centric Metering and Billing
5. Priority-Based Scheduling
6. Economic Models for Power Distribution
7. Attack Models and Countermeasures
8. Privacy Models

Important Dates:

~~November 15, 2016: Book Chapter Proposal~~ **(Extended!)**

~~December 15, 2016: Book Chapter Proposal Accept/Reject Notification~~

June 15, 2017: Full Chapter Submission

August 15, 2017: Accept/Reject Notification

Sept. 15, 2017: Camera ready Submission

March 30, 2018: Final Print Version Available (Tentative)

Submission Procedure:

Full chapter submissions (based on accepted chapter proposals) will be accepted on or before **June 15, 2017**. All submitted chapters will be reviewed by 3 or more reviewers. The reviewing process will be double-blind.

Chapter submissions must be prepared in accordance with the submission guidelines and must not exceed **25 pages (LNCS style), including bibliography and any appendix**. Only electronic submissions in PDF format will be considered. All chapter submission must be made through easy chair using the following link: https://easychair.org/conferences/?conf=smgsp2017. Please note that your chapter submission cannot be under review for any other conference, journal, or book during the entire time it is considered for the "Smart Micro-Grid System Security and Privacy" book.

Editors:

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