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**256**

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Al-Sakib Khan Pathan · Zubair Md. Fadlullah  
Mohamed Guerroumi (Eds.)


# Smart Grid and Internet of Things

Second EAI International Conference, SGIoT 2018  
Niagara Falls, ON, Canada, July 11, 2018  
Proceedings

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# Preface

We are very delighted to introduce the proceedings of the second edition of 2018 European Alliance for Innovation (EAI) International Conference on Smart Grid and Internet of Things (SGIoT). This conference has attracted and brought together researchers, developers, and practitioners from different parts of the globe, who are currently exerting their efforts in developing smart grid and IoT technologies.

The technical program of SGIOT 2018 consisted of 14 full papers, including one invited paper in oral presentation sessions in the main conference track and one workshop on Applications and Technologies in Big Data (ATBD 2018). In addition to the high-quality technical paper presentations, the technical program also featured two keynote speeches. The invited speakers for the keynote speeches were Dr. Salama Ikki from Lakehead University, Thunder Bay, Ontario, Canada, and Dr. Andriy Miransky from Ryerson University, Ontario, Canada. The ATBD workshop in the conference aimed to address various aspects of techniques and applications in big data research and provide a forum for the presentation and discussion of innovative ideas, research results, applications, and experience from around the globe as well as highlight activities in the related areas.

Coordination among the steering chair, Imrich Chlamtac, and the steering members, Al-Sakib Khan Pathan, Zubair Md. Fadlullah, and Salimur Choudhury, was essential for the success of the conference. It was also a great pleasure to work with such an excellent organizing team, all of who did their parts in organizing and supporting the conference. In particular, the contribution of the Technical Program Committee members, led by the TPC chairs, Dr. Salimur Choudhury and Dr. Akramul Azim, eased the paper review and selection process and also helped in preparing the program schedule. We sincerely appreciate all the key members' sincere support. Last but not the least, we are also very grateful to the Conference Manager, Radka Pincakova, for her constant support and all the authors who submitted their papers to SGIOT 2018 and traveled a long distance to present their papers.

We strongly believe that the SGIOT conference provides a good platform for all researchers, students, developers, and practitioners to discuss all scientific and technological aspects relevant to smart grid and IoT. We also expect that future SGIOT conferences will be as successful and stimulating as indicated by the contributions presented in this volume.

Al-Sakib Khan Pathan  
Zubair Md. Fadlullah  
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# Contents

## Smart Grid and Internet of Things

An Implementation of Harmonizing Internet of Things (IoT) in Cloud. . . . .	3
<i>Md. Motaharul Islam, Zaheer Khan, and Yazed Alsaawy</i>	
IoT Big Data Analytics with Fog Computing for Household Energy Management in Smart Grids. . . . .	13
<i>Shailendra Singh and Abdulsalam Yassine</i>	
Secured Cancer Care and Cloud Services in IoT/WSN Based Medical Systems . . . . .	23
<i>Adeniyi Onasanya and Maher Elshakankiri</i>	
Privacy Preserving for Location-Based IoT Services . . . . .	36
<i>Yue Qiu and Maode Ma</i>	
Smart Home Security Application Enabled by IoT: Using Arduino, Raspberry Pi, NodeJS, and MongoDB . . . . .	46
<i>Chad Davidson, Tahsin Rezwana, and Mohammad A. Hoque</i>	
An MQTT-Based Scalable Architecture for Remote Monitoring and Control of Large-Scale Solar Photovoltaic Systems . . . . .	57
<i>Salsabeel Shapsough, Mohannad Takroui, Rached Dhaouadi, and Imran Zuolkernan</i>	
A Smart Meter Firmware Update Strategy Through Network Coding for AMI Network . . . . .	68
<i>Syed Qaisar Jalil, Stephan Chalup, and Mubashir Husain Rehmani</i>	
Protected Bidding Against Compromised Information Injection in IoT-Based Smart Grid . . . . .	78
<i>Md Zakirul Alam Bhuiyan, Mdaliuz Zaman, Guojun Wang, Tian Wang, Md. Arafat Rahman, and Hai Tao</i>	
A Chain Based Signature Scheme for Uplink and Downlink Communications in AMI Networks . . . . .	85
<i>Samer Khasawneh and Michel Kadoch</i>	
Robustness Situations in Cases of Node Failure and Packet Collision Enabled by TCNet: Trellis Coded Network - A New Algorithm and Routing Protocol. . . . .	100
<i>Diogo F. Lima Filho and José R. Amazonas</i>	

**Applications and Technologies**

Effectiveness of Hard Clustering Algorithms for Securing Cyber Space . . . . .	113
<i>Sakib Mahtab Khandaker, Afzal Hussain, and Mohiuddin Ahmed</i>	
On Data Driven Organizations and the Necessity of Interpretable Models. . . .	121
<i>Tony Lindgren</i>	
A Multi-factor Authentication Method for Security of Online Examinations . . .	131
<i>Abrar Ullah, Hannan Xiao, and Trevor Barker</i>	
Evaluation Metrics for Big Data Project Management . . . . .	139
<i>Munir Ahmad Saeed and Mohiuddin Ahmed</i>	
<b>Author Index</b> . . . . .	143