CALL FOR BOOK CHAPTERS
Crowd Assisted Networking and Computing
To be Published by CRC Press, USA

Editor: **Al-Sakib Khan Pathan**

The plethora of mobile devices in the hands of people, generally termed the '*Crowd*' has allowed us to envision various platforms of communication taking the same networked environment into consideration. Crowd computing, crowdsourcing, crowd associated network (CrAN), crowd assisted sensing are some of the examples of the crowd based concepts in which we like to harness the power of people out in the web or connected via web-like infrastructure to do tasks that are often difficult for individual users or computers to do alone. For instance, the key concept of an infrastructure-less network architecture named CrAN is the utilization of the crowd to complete the communication gaps among the associates. In CrAN, two types of components are involved: i) dedicated agents, and ii) non-dedicated agents. The dedicated agents are those agents that are solely installed in the network to perform some specific tasks. In general, these agents are static and exchange information with non-dedicated agents to achieve the networking goal. On the other hand, the crowd is the latter type of agent who is equipped with necessary devices and acts like an intermediate relay in the proposed network architecture. The crowd completes the communication gaps among the dedicated agents and thereby enables them to function properly. As the technological landscape is constantly changing, in the near future, many of our communications would rely heavily on the crowd, who could be socially connected via Internet or Internet-like infrastructure. Gone are those days when people were relying only on the selected sources of information like traditional newspapers or TV channels or so. Today, we see, the crowd could supply information from distant and difficult-to-reach places faster than formal news and information channels. As the communications technologies and application software technologies advance, a single individual would represent several devices that could generate information or supply information. Given this scenario, many challenging issues come forward like assessing reliability and correctness of crowd generated information, delivery of data and information via crowd, middleware for supporting crowdsourcing and crowd computing tasks, crowd associated networking and its security, Quality of Information (QoI) issues, etc. This book aims at compiling the latest advancements in the relevant fields. We expect chapters covering the elementary issues to concrete technical contributions. The topics should cover the following and other related issues (*but not limited to these*):

- Software applications for supporting crowd interaction
- Middleware for crowd computing
- Data integrity, security, privacy in crowdsensing
- Trust and reputation mechanisms for crowdsourcing
- Sensors for crowdsensing
- Crowd associated network (CrAN)
- Quality of Information (QoI) for crowdsourcing data
- Crowd-assisted (human-in-the-loop) approaches to analyzing crowdsensing/crowdsourcing data
- Algorithms and Programming abstractions for computing
- Mobile cloud computing with the aid of the crowd
- Novel applications assisted by crowd

Submission Instructions

Each manuscript should be written in a tutorial manner with enough details so that it can be easily accessible to the readers outside the specialty of the area. Expected manuscript length is between 7,000 to 12,000 words. Longer manuscripts may be allowed based on the topic and need. Manuscripts submitted for the book must be original, must not be previously published or currently under review anywhere. The manuscript must be prepared with MS-Office (doc or docx). Kindly do not use any special formatting or macro for the submission version, doc or docx file. General guideline is: Use A4 page with 1 inch (or, 2.54 cm) margin on all sides, single column format, 1.5 line spacing with 11 point sized font, Times New Roman. References should be cited within the text with numbers in sequence like [1], [2], [3], …. An all-in-one PDF file may be submitted for the initial version however, if the chapter is accepted, this formatting style must be followed and MS-Office file (doc, docx) must be supplied.

A chapter proposal should be sent to the editor as soon as possible. Please email to both sakib.pathan@gmail.com and sakib.pathan1@gmail.com

Important Dates

Chapter Proposal Submission:	June 30th, 2017
Full Manuscript Submission:	October 30th, 2017
Notification (Last Date):	December 15th, 2017
Final/Revised Manuscript:	February 15th, 2018

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