1. Introduction
Distributed Denial of Service (DDoS) attacks cause devastating effects on the web services and hence harms the digital availability. This book on DDoS attacks will aim to provide relevant theoretical framework and latest research trends in DDoS attack domain. It aims to provide a platform for researchers, industry professionals and academicians to present the state-of-the-art developments and challenges in the field of DDoS attacks. The book will also try to incorporate the novel and recent trends like blockchains for mitigating DDoS attacks. The book will be aimed to enhance the knowledge and knowhows of researchers and academicians working towards mitigation of DDoS attacks. Such readers will be benefitted from the systematic and latest trends against DDoS attacks in the mathematical and cryptographical area. Overall, the book will promote development of new mathematical and cryptographical solutions the field of DDoS.

2. Recommended Topics
- Distributed Denial of Service (DDoS) Attacks: An Introduction
- Mathematical and Cryptography Preliminaries
- DDoS solutions based on encryption/decryption
- DDoS solutions that utilizes hashing techniques
- Utilization of digital signatures for DDoS protection
- Authentication related DDoS solutions
- Puzzle and games theory based solutions
- Probability, Queuing and Statistical improvements
- Machine Learning methods against DDoS attacks
- Soft Computing Techniques for DDoS protection
- Utilizing Blockchains for mitigating DDoS attacks

3. Submission Procedure
Researchers, developers and practitioners are invited to submit their chapter proposals/abstracts (Maximum 1 page) on or before December 15, 2019 to Dr. Rajeev Singh rajeevpec@gmail.com or Dr. Mangey Ram drmrswami@geu.ac.in

Please provide the following points in your proposals/abstracts:
1) Title of the contribution
2) Name of author, co-authors, institution, email-address
3) Content/Abstract of the proposed chapter
Authors of accepted proposals will be notified within a week after their submission about the status of the proposals.

Note: There are no submission or acceptance fees for manuscripts submitted to this book publication: Distributed Denial of Service Attacks - Concepts, mathematical and cryptographic solutions

4. Full Book Chapter
Complete chapters are expected to be submitted to Dr. Rajeev Singh rajeevpec@gmail.com or Dr. Mangey Ram drmrswami@geu.ac.in by **January 15, 2019**.

- A book chapter can have up to 40 pages (up to 4000 words total or more) in word/latex file only.
- Guidelines on how to prepare the full book chapter will be provided on time.

5. Publisher
This edited book is scheduled to be published by Walter de Gruyter. For additional information regarding the publisher, please visit [https://www.degruyter.com/](https://www.degruyter.com/). This publication is anticipated to be released in 2020.

6. Important Dates
The following timeline is anticipated:

- Proposal Submission Deadline: **December 15, 2019**
- Full Chapter Submission: **January 15, 2019**

7. Inquiries
All inquiries are invited to send an email to Dr. Rajeev Singh rajeevpec@gmail.com or Dr. Mangey Ram drmrswami@geu.ac.in

8. Editors
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