



**INTERNATIONAL CONFERENCE ON
INNOVATIVE COMPUTING AND
COMMUNICATION(ICICC-2018)**

ORGANISED BY : GURU NANAK INSTITUTE OF MANAGEMENT
5TH-6TH MAY,2018

***** CALL FOR PAPERS *****

SUBMISSION DUE DATE: **01/12/2017**

**SPECIAL SESSION ON Routing based Security Issues in Mobile Adhoc Network
Environment
International Conference on Innovative Computing and Communication (ICICC-2018)**

Guest Editor:

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INTRODUCTION:

Mobile adhoc network is the combination of self governed mobile nodes with no infrastructure. The mobile nodes communicate with other through wireless medium where it is not possible to deploy the secured medium for data communication. These properties of MANET environment make it more competent in nature which is preferred by various people to fulfill their requirements. However these characteristics of MANET also imposes security threats which is required to focus more in accordance to handle the security threats and ensure the secured environment for the people those who prefer MANET environment for data communication.

The various security issues that might occur in the MANET environment are listed as follows: Use of wireless link renders a MANET susceptible to link attacks ranging from passive eavesdropping to active impersonation, message replay and message distortion, To achieve high survivability, adhoc network should have a distributed architecture with no central entities, Due to dynamic nature of MANETs, an a priori trust relationship between the nodes cannot be derived. It is desirable for the security mechanism to adapt on-the-fly to these changes, MANET may consist of hundreds or even thousands of nodes. Security mechanism should be scalable to handle a such a large network, Network operation can be easily jeopardized if counter measures are not embedded into their design, Limited resources in the Mobile nodes might lead to frequent node failures, thus the data communication would get affected. The above problems would cause serious impact on MANET data communication environment which can be resolved by establishing the efficient and reliable route path, thus the secured and confirmed data communication can be guaranteed.

The main focus of this special session is to bring together the scholars in the MANET field to illustrate its pressing actual needs, demonstrate challenging research issues and exchange the state-of-the-art research and development.

RECOMMENDED TOPICS:

- Vulnerability reasons for MANET routing issues
- Network parameters affected by MANET routing issues
- Routing attacks and their impacts
- Types of routing attack possibility on MANET
- Recent solutions introduced for handling attacks
- Advanced tools for handling security issues

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Routing based Security Issues in Mobile Adhoc Network Environment on or before December 01st, 2017**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **Routing based Security Issues in Mobile Adhoc Network Environment** at the top (above paper title) of the first page of your paper.

PUBLICATION:

All the accepted papers (after double blinded peer review) will be published in **Springer series** (Approval pending) and further extended papers will be published in the special issues of SCI/SCOPUS/WoS/DBLP/ACM indexed Journals as per the guidelines of respective journal:

1. Scalable Computing: Practice and Experience (SCPE)

<http://www.scpe.org/index.php/scpe>

Indexed In: Indexing- ISI Thompson (Emerging Sources Citation Index), Scopus and many more.

2. International Journal of Imaging and Robotics (IJIR)

<http://www.ceser.in/ceserp/index.php/iji>

Indexed In: SCOPUS (Elsevier Bibliographic Databases), INSPEC, Zentralblatt MATH, Indian Science Abstracts, Ulrich's Periodicals Directory, IndexCopernicus, and International Statistical Institute (ISI, Netherlands).

3. International Journal of Tomography and Simulation (IJTS)

<http://www.ceser.in/ceserp/index.php/ijts>

Indexed In: SCOPUS (Elsevier Bibliographic Databases); Zentralblatt MATH (Zentralblatt für Mathematik), INSPEC, Statistical Theory and Method Abstracts (STMA-Z), SCImago Journal & Country Rank, IndexCopernicus, International Statistical Institute (ISI, Netherlands), Ulrich's Periodicals Directory, Indian Science Abstracts

4. International Journal of Artificial Intelligence (IJAI)

<http://www.ceser.in/ceserp/index.php/ijai>

Indexed In: SCOPUS (Elsevier Bibliographic Databases), INSPEC, Zentralblatt MATH, Indian Science Abstracts, Ulrich's Periodicals Directory, IndexCopernicus, and International Statistical Institute (ISI, Netherlands).

5. International Journal of Natural Research Computing (IJNCR)

<https://www.igi-global.com/journal/international-journal-natural-computing-research/1148>

Indexed In: INSPEC, ACM, Cabell, DBLP, and many more.

6. International Journal of Hybrid Intelligence (IJHI)

<http://www.inderscience.com/jhome.php?jcode=ijhi>

and many more journals will be added to the list soon...

All inquires should be should be directed to the attention of:

[Dr.G.Suseendran]

Guest Editor

[Advanced Data Mining and Machine Learning with Soft Computing]

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