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Title of the Abstract

First-name Last-name, Graduate Student, Computer Science
Faculty Mentor: First-name Last-name, Department/Unit

The abstract typeface should be Times New Roman. The title of the abstract should be bold-faced with 14-point font size. The two lines following the title (i.e., name and faculty mentor, etc.) should use 11-point fonts and followed by one or two space lines. The abstract body should use 12-point fonts with 1.5 single line spacing. The abstract should be fully justified (left and right). The abstract should not exceed one page and be uploaded as a PDF. Abstracts not adhering to the template format will be returned.

Sample:

On the Fly Concurrent Multipath Routing

Ehssan Jan, Graduate Student, Computer Science
Faculty Mentor: Azad Azadmanesh, Computer Science

This research will propose a new multipath routing algorithm suitable for ad hoc and sensor networks. The new design will focus on 1) protocol simplicity, so that the protocol can be easily implemented using simple rules; 2) lightweight overhead, so that packet routing and packet transmissions can incur little overhead, leading to less delay in packet deliveries; 3) path dynamicity, so that new paths can be created on the fly without reporting to the source or the destination node; and finally 4) fault tolerance, so that each node can easily reroute future packets to a different node upon detecting neighbor failures. A simulation package is developed to test the design's performance by collecting various statistics depending on user inputs. The simulation package is graphically oriented with the ability to observe the communication aspects of control and data packets. The user will also have the opportunity of moving through the protocol operations in steps, forward or backward, and visually observe the status of the network at any moment.