MsclT – Sensor Networks

Instructor: M.H. Assaf
Class Schedule: Lecture Monday 2:00– 5:00 p.m., Wednesday 2:00 – 5:00 p.m.
Location: Classroom 6
Lab time/location: TBD
Office Hours: 1:00 – 2:00 p.m. Wednesday or by appointment
E-mail: mansour.assaf@utt.edu.tt
Course URL: www.u.tt/ict

Course Description
This is a graduate course on Sensor Networks. Students in the class should have completed an undergraduate course on Computer Network. This class provides a broad introduction to advanced topics in sensor networks.

Prerequisite: Computer Networks

Assessment:
- Homework (2) 20%
- Project Presentation 30%
- Final Project Report 50%
No late assignments will be accepted.

Reference Material:

Course Schedule

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPICS</th>
<th>REFERENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Sensor Networks</td>
<td>V. Lesser, C. Ortiz Jr., and M. Tambe C. Cordeiro, and D.Agrawal and class notes.</td>
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<tr>
<td>2</td>
<td>Sensing Platforms</td>
<td>Selected Publications from the Technical Literature</td>
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<td>3</td>
<td>Location Discovery</td>
<td>C. Cordeiro, and D. Agrawal, W. Kaiser and G. Pottie, F. Zhao and L. Guibas Along with selected publications and class notes.</td>
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<tr>
<td>5</td>
<td>Physical Layer, Energy Consumption and IEEE 802.15.4</td>
<td>W. Kaiser and G. Pottie, F. Zhao and L. Guibas, selected publications, and class notes.</td>
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<td>6</td>
<td>Routing Protocols</td>
<td>Reference Material, selected publications, and class notes.</td>
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<tr>
<td>7</td>
<td>Storage and Clustering</td>
<td>Reference Material, selected publications, and class notes.</td>
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