# Final Project Presentations

**ICOM 5047: Computer Engineering Design**  
May 9, 2008  
Stefani 228, 12:15pm to 4:30pm  
Electrical and Computer Engineering Department  
University of Puerto Rico, Mayagüez Campus

## AGENDA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15pm - 12:30pm</td>
<td><strong>Introduction</strong></td>
<td>Nayda Santiago and Miguel Figueroa</td>
</tr>
</tbody>
</table>
| 12:30 pm – 1:00pm | **RUMSTIX - A Sensor Management System**         | Vicente Rivera, Project Manager  
Alexs Peña  
Alfredo Alvarez  
Jonathan Torres  
José A. Ortiz                                                  |
| 1:00 pm – 1:30pm | **Security Guard Monitoring System**             | Diana Carbia, Project Manager  
Miguel Resto  
Oscar Negrón  
César Rodríguez  
Roberto Santos                                               |
| 1:30 pm – 2:00pm | **EVONUX – A Complete Entertainment System**    | Guillermo Colón, Project Manager  
Eric Lugo  
Israel González  
Alexis Ortiz                                                  |
| 2:00 pm – 2:30pm | Demonstrations/Break                             | Rumstix, SGMS, Evonux                                                       |

**RUMSTIX - A Sensor Management System**  
A remote management system that allows the monitoring of multiple sensors from a central location. The system provides a framework that eases the integration of heterogeneous sensors and any other network-enabled device.

**Security Guard Monitoring System**  
The system provides a map tracking system for pager-like devices allowing supervisors to monitor employees from an administrative web application. The objective is to ensure that security guards make all their preventive rounds while they feel secure as supervisors know their exact position in case of emergency.

**EVONUX – A Complete Entertainment System**  
The design and prototype of a Linux based entertainment system containing a personal TV recorder, media library manager, and video game console combined into one easy to use unit. The unit contains open source components allowing users to customize their system within its limitations.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
<th>Team Members</th>
</tr>
</thead>
</table>
| 2:30 pm – 3:00pm | **Qwiki** Menus: Quicker service in table service restaurants            | QwikiMenu optimizes the time from order to service in restaurants by providing an electronic programmable menu linked to the kitchen display monitor and to the cash register. | Obed Cabán, Project Managerdish
|              |                                                                          |                                                                              | Dalvin Negrón, Daniel López, Felipe Soto, Josué D. Zapata                  |
| 3:00 pm – 3:30pm | **iCrib**: Hi-Tech Assistance for Today’s Parents                     | Nowadays parents have a need to keep on being productive while taking care of their young ones. The iCrib is reasonable and simple solution to give parents a helping hand, bringing the crib into the 21st century. | Miguel A. Morales, Project Managerdish
|              |                                                                          |                                                                              | Benjamin García, Cresyi Padilla, Rene A. Ocasio, Jorge L. Vázquez           |
| 3:30 pm – 4:00pm | **Living House**: A Web-based Home Automation System                   | This system gives the users the ability to turn on/off any electric appliance by using a web browser from any computer, PDA or cell phone. | Luis Lahoz, Project Managerdish
|              |                                                                          |                                                                              | Felix Cedeño, Pedro Lugo, Bayoán Alvarado                                  |
| 4:00 pm – 4:30pm | Demonstrations/Break                                                    |                                                                              | Qwiki, iCrib, Living House                                                 |