



# Connecting with the Internet of Things

The Internet of Things seminars highlight the latest developments in smart, sensor-enabled devices. Technology experts describe how networks, servers and services can interact with such objects to expand embedded control system features and deliver new levels of automated performance. System design issues covered encompass a massive global technology trend that is opening a wide span of market opportunities.



### SEMINAR TOPICS:

- ▶ MCU Capabilities that Enable IoT Applications
- ▶ Cloud-based approaches for IoT
- ▶ Connectivity with Bluetooth Low Energy and Beacon Technologies
- ▶ Choosing the right Internet Protocol
- ▶ End-to-end IoT Solutions from Micrium and Renesas
- ▶ How to provision and configure a device for Internet connectivity

Where	When	Goodies	
The 1818 Club 6500 Sugarloaf Parkway Duluth, GA 30097 (770) 232-1818	Thursday, April 23 8:30am to 5:00pm <i>Breakfast and Lunch Provided</i>	Free Development Kit 	Drawing for one <b>Free iPad mini</b> 

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IN PARTNERSHIP WITH:



<b>BREAKFAST</b> 8:30am - 9:00am
<p>9:00am - 9:30am LECTURE</p> <p><b>MCU Capabilities that Enable Internet of Things Applications</b></p> <ul style="list-style-type: none"> <li>- MCU features that provide the benefits essential for IoT devices and systems</li> <li>- How the broad Renesas MCU portfolio addresses key IoT system design issues</li> </ul>
<p>9:30am - 11:00am LECTURE/DEMO</p> <p><b>End-to-end IoT Solutions from Micrium and Renesas</b></p> <ul style="list-style-type: none"> <li>- The components required for building IoT products</li> <li>- Which Internet protocol is the best choice for achieving system goals</li> <li>- Advantages that Cloud-based approaches bring to IoT products</li> </ul>
<b>BREAK</b> 11:00am - 11:15am
<p>11:15am - 12:00pm (LECTURE) &amp; 12:45 - 1:30pm (LAB)</p> <p><b>Implementing Connectivity with Bluetooth Low Energy (BLE) and Beacon Technologies</b></p> <ul style="list-style-type: none"> <li>- Design and application information about BLE and Beacon technologies</li> <li>- Details of the structure of the BLE stack and profiles</li> <li>- Methods for composing and installing connectivity firmware</li> <li>- Powerful tools that facilitate the addition of BLE functionality to IoT products</li> </ul>
<b>LUNCH</b> 12:00pm - 12:45pm
<p>1:30pm - 2:30pm LECTURE/DEMO</p> <p><b>The Cloud: A Valuable Peripheral for IoT Devices</b></p> <ul style="list-style-type: none"> <li>- Basic theory, technology and techniques for Cloud connectivity</li> <li>- The multiple benefits of implementing Cloud connections in IoT devices</li> <li>- How powerful web tools can accelerate IoT product development</li> </ul>
<b>BREAK</b> 2:30pm - 2:45pm
<p>2:45pm - 4:45pm LECTURE/LAB</p> <p><b>Embedded Wi-Fi Solutions Made Easy</b></p> <ul style="list-style-type: none"> <li>- The technology and techniques for adding Wi-Fi connectivity to any product</li> <li>- How to provision and configure a device to connect to the Internet and implement an IoT solution</li> <li>- A way to minimize the power consumption of wireless connectivity functions</li> </ul>
<b>WRAP-UP/CALL-TO-ACTION</b> 4:45pm - 5:00pm

For more Information on this Seminar, please visit **[RenesasDevCon.com](http://RenesasDevCon.com)**



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