

Tech Talks LIVE Schedule – Presentation will begin shortly



NEW Wireless Connectivity Tech Talks



Tuesday, June 22	Understand the Benefits of Wi-SUN for Long Range Industrial Applications
Tuesday, July 13	Learn to add Speech Recognition with Machine Learning
Tuesday, July 27	Simplify your Bluetooth Designs using Python Scripts
Tuesday, August 10	Quick Start your Bluetooth Designs for Pulse Oximetry and Electric Shelf Labels
Tuesday, August 24	Works With: Make the Most of WW 2021

Respond to the poll to enter to win a BG22 Thunderboard

Recording and slides will be posted to:
www.silabs.com/training

We will begin **0:00**



WELCOME

Works With: Make the Most out of WW 2021

Nick Dutton and Isaac Sanchez



Making the most from WorksWith 2021



- **Welcome to a prelude for WorksWith 2021**

- An IoT conference
 - ▶ **designed** by developers
 - ▶ **hosted** by developers
 - ▶ **for** the developers

- WorksWith 2020

- ▶ Far exceeded expectation
- ▶ Over 6000 attendees
- ▶ Focus on the Smarthome IoT



works with
BY SILICON LABS

Your Connection to All Things IoT

September 14–15, 2021

Making the most from WorksWith 2021



WELCOME

Works With: Make the Most out of WW 2021



works with
BY SILICON LABS

Your Connection to All Things IoT

September 14–15, 2021

- **WorksWith 2021 – Bigger & Better**

- **Smart Home**

PLUS...

- **Smart Cities**
- **Industrial IoT**
- **General IoT**

- More industry involvement
- Sessions hosted by
 - Design Service Partners
 - Technology partners
- Industry partners sponsoring focus tracks

Who are the movers and shakers?

DIAMOND SPONSORS



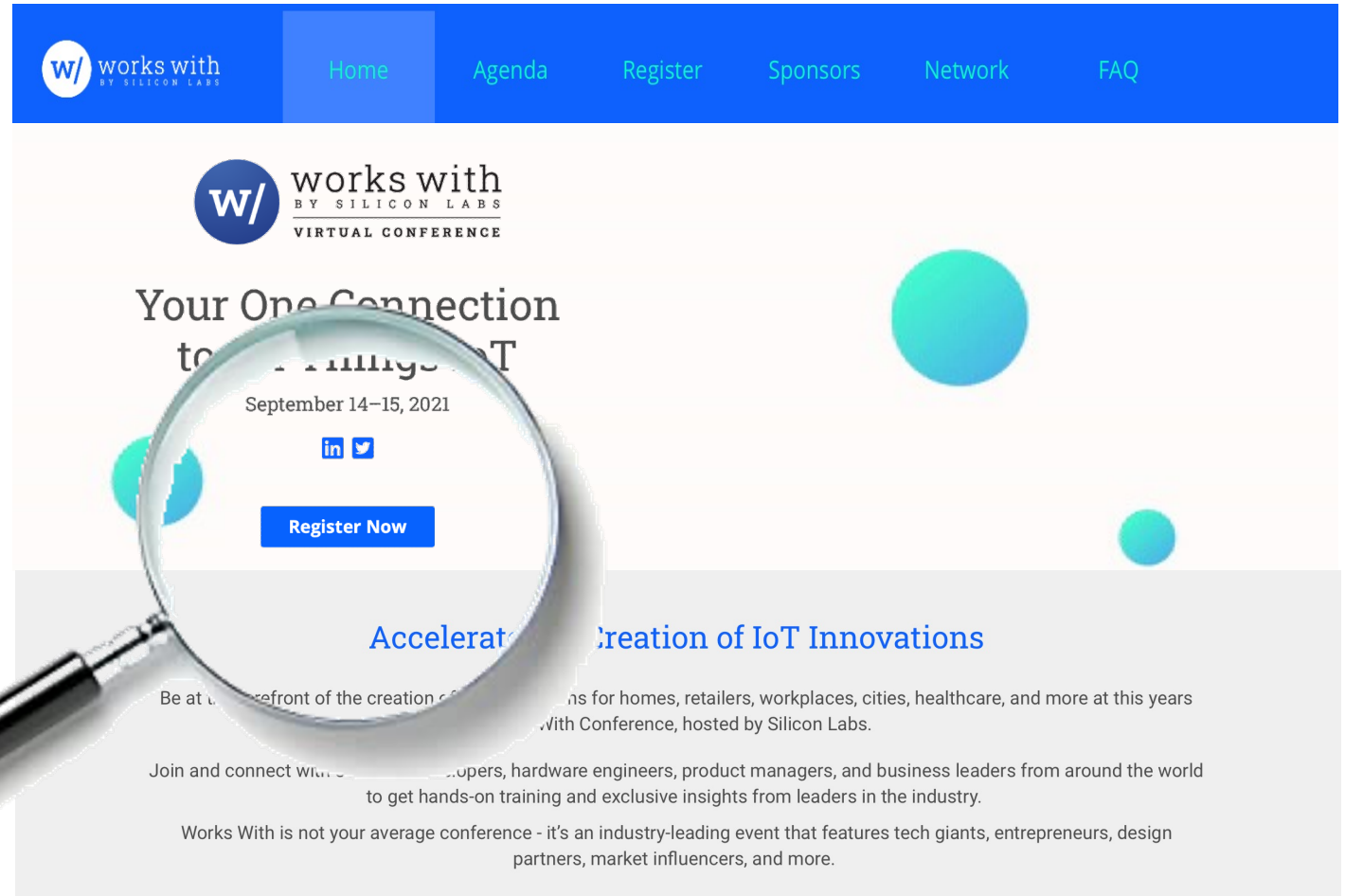
PLATINUM SPONSORS



GOLD SPONSORS



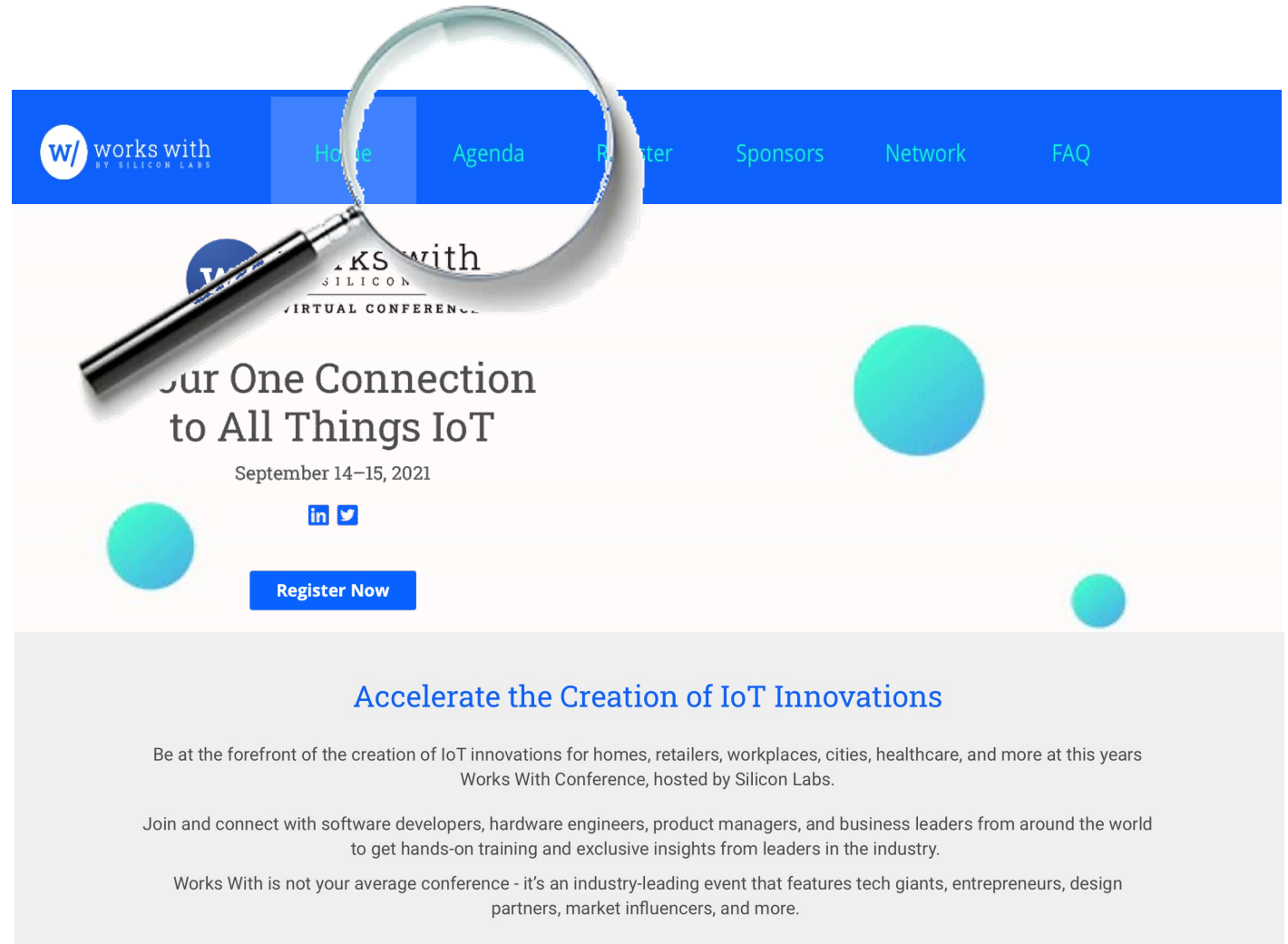
How to get involved



Register now at :

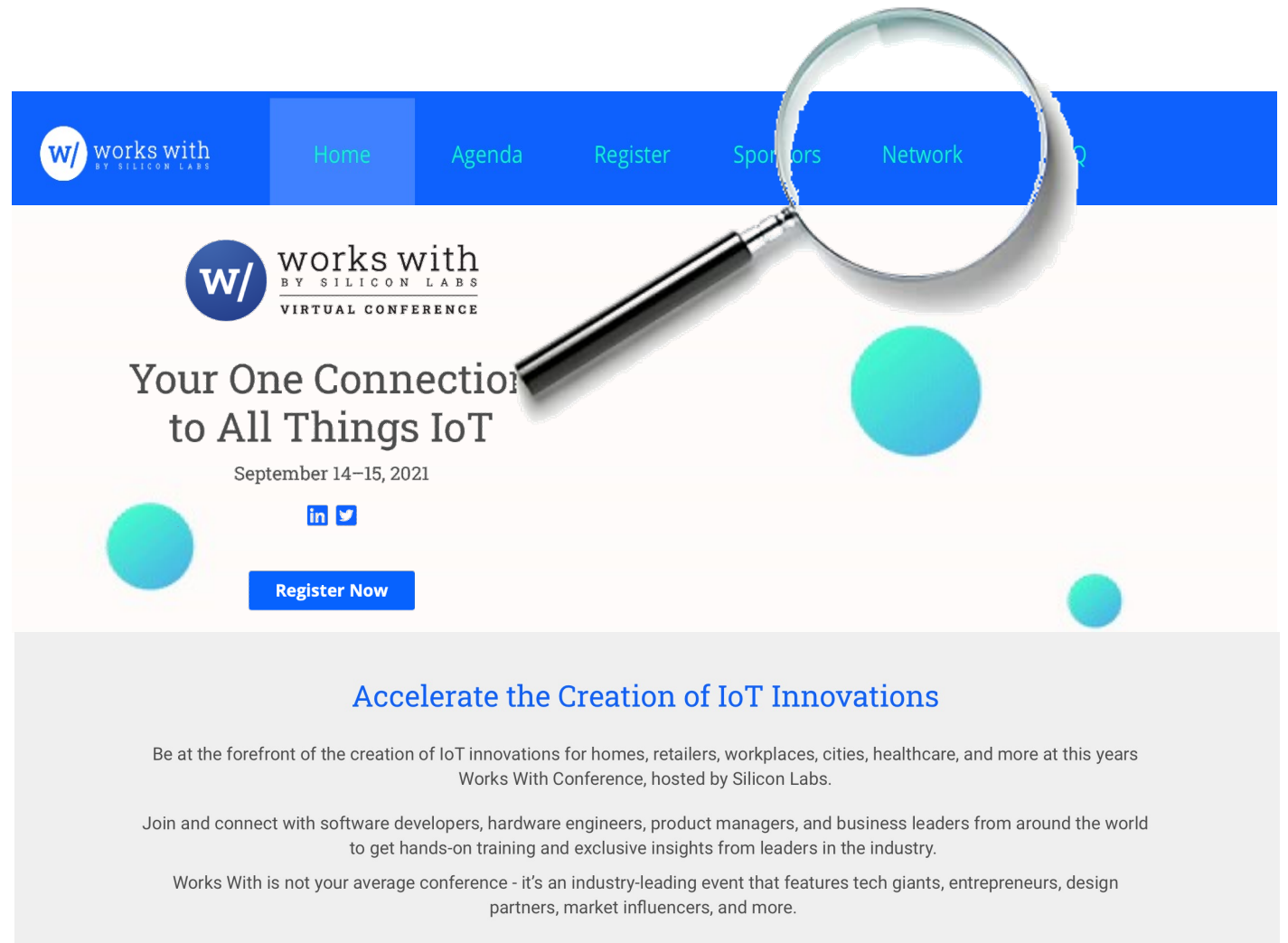
<https://workswith.silabs.com>

How to get involved



Visit the [agenda](#) in the top menu

How to get involved



w/ works with
BY SILICON LABS

Home Agenda Register Sponsors **Network**

w/ works with
BY SILICON LABS
VIRTUAL CONFERENCE

Your One Connection
to All Things IoT

September 14-15, 2021

in

Register Now

Accelerate the Creation of IoT Innovations

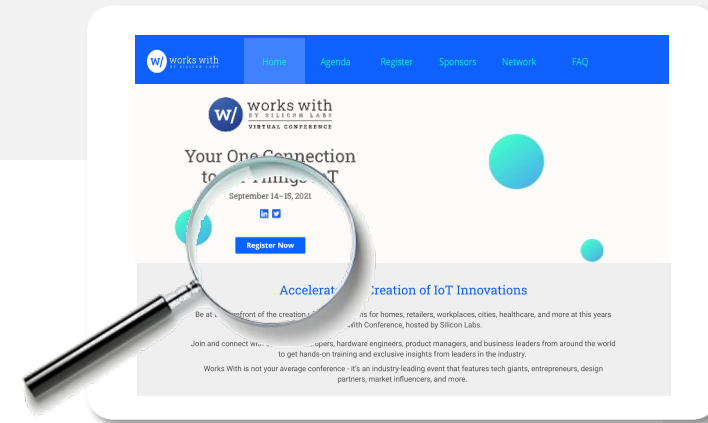
Be at the forefront of the creation of IoT innovations for homes, retailers, workplaces, cities, healthcare, and more at this year's Works With Conference, hosted by Silicon Labs.

Join and connect with software developers, hardware engineers, product managers, and business leaders from around the world to get hands-on training and exclusive insights from leaders in the industry.

Works With is not your average conference - it's an industry-leading event that features tech giants, entrepreneurs, design partners, market influencers, and more.

Make sure you are ready to **network**

Registering



Agenda Register Sponsors Network FAQ

Registration

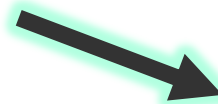
Register now for your fast track to all things IoT

Works With Virtual Conference

Registrations

	QTY
General	1

Register



Agenda Register Sponsors Network FAQ

Order Summary

TICKET TYPE	QTY
General	1

Works With by Silicon Labs - Virtual Conference

REGISTRATION INSTRUCTIONS: Star the sessions you are interested in under Session Selector and stay tuned for details on how to customize your agenda in the future.
Be sure to save your confirmation email which contains additional details and as always email workswith@silabs.com with questions.

WORKS WITH - AGENDA: Click [HERE](#) to view conference agenda in PDF format.

PLEASE NOTE: SESSION SELECTOR SESSIONS LISTED BELOW ARE CENTRAL DAYLIGHT TIME (GMT-5).

Time left to complete your registration **56:56**

Save time completing your profile

[in](#) Import from LinkedIn

Ticket 1 - General

First Name*

Last Name*

Registering

Agenda Register Sponsors Network FAQ

Job Function* Product Management / Marketing

Attendee Interest* 8 selected

The following sessions are available for registration: [View Full Agenda](#)

98 Sessions 1 Session Selected

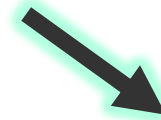
ALL DAYS TUE SEP 14 WED SEP 15

Tue Sep 14 | 10:00am

- AMZ-101: Introduction to Amazon, Its Markets and the Ecosystem 10:00am - 10:45am | Sep 14 Overlapping
- APL-101: Introduction to Apple HomeKit, Its Markets and the Ecosystem 10:00am - 10:45am | Sep 14 Overlapping
- APP-103: Mobile App Development for IoT 10:00am - 10:45am | Sep 14 Overlapping
- LOC-103: Improving Fleet Management with Wireless Connectivity 10:00am - 10:45am | Sep 14 Overlapping
- SEC-101: Security Regulation and How it will Drive Innovation in IoT 10:00am - 10:45am | Sep 14
- SMC-101: Introducing the Smart City 10:00am - 10:45am | Sep 14 Overlapping
- WIR-101: Extending IoT Communication Beyond Four Walls 10:00am - 10:45am | Sep 14 Overlapping

Tue Sep 14 | 11:00am

- AMZ-103: Amazon Sidewalk Technology Architecture and Infrastructure 11:00am - 11:45am | Sep 14
- APL-201: Learn how to use HomeKit for End Device Applications



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Registration

Register now for your fast track to all things IoT

Works With Virtual Conference

works with
BY SILICON LABS
VIRTUAL CONFERENCE

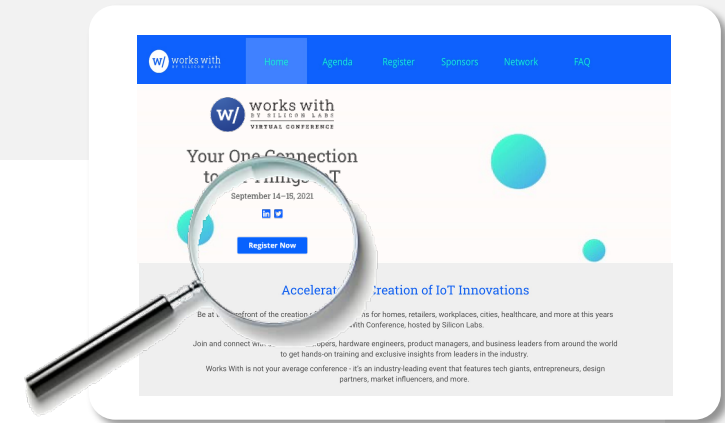
Add to calendar
Google / iCal / Outlook / Yahoo

Share Your Plans!

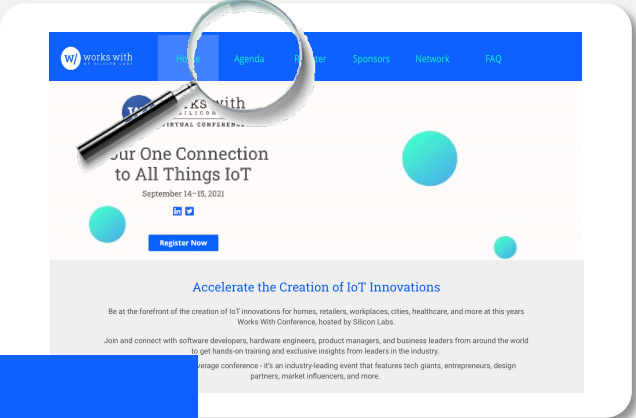
Social Email

I registered for Works With 2021. Check it out here <https://workswith.siliconlabs.com/?share=true>

Facebook Twitter LinkedIn



Agenda(ing)

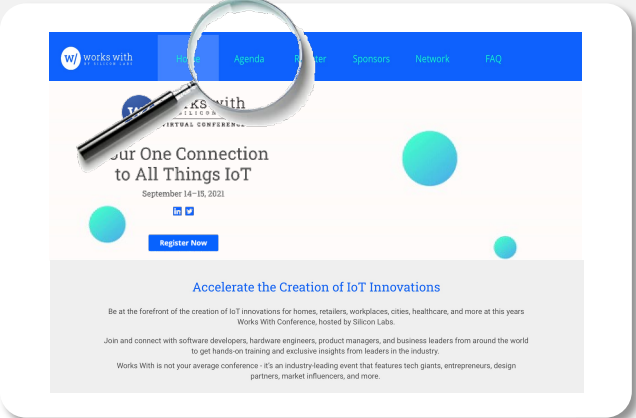


A screenshot of the event agenda page. At the top is a blue navigation bar with 'Agenda', 'Register', 'Sponsors', 'Network', and 'FAQ'. Below the navigation bar is a search bar labeled 'Search Session' and a 'LOGOUT' button. A dropdown menu shows '101 Sessions'. Below this are tabs for 'All Days', 'Tue Sep 14', and 'Wed Sep 15'. A filter menu is open, showing options for 'Time', 'Region', 'Track', and 'Type'. The main content area shows a session for 'Tue Sep 14' at '9:00 AM' titled 'Welcome, Opening Kick-Off' by Matt Johnson. To the right, there are several filter categories with buttons: 'SMART CITY', 'CORE', 'KEYNOTE', 'INDUSTRIAL', 'SMART HOME', 'THOUGHT LEADERSHIP', 'TECHNICAL HANDS-ON', 'TECHNICAL INSTRUCTION', 'AMER/EMEA', 'APAC', 'WI-SUN', 'ALLIANCE', 'APPLICATION', 'LOCATION & ASSET SERVICES', 'EMBEDDED MACHINE LEARNING', 'MATTER', 'ECOSYSTEM', 'GOOGLE', 'APPLE', 'AMAZON', 'BLUETOOTH', 'SECURITY', 'Z-WAVE', 'ZIGBEE', 'ELECTRIC SHELF LABELS', 'WIRELESS', and a 'Clear All' button.

Useful Filters:

- Time
- Region
- Track
- Type
- Topic

Agenda(ing)



10:00 AM - 10:45 AM EDT / 8:00 AM - 8:45 AM Your local time (45 Min)
APL-101: Introduction to Apple HomeKit, Its Markets and the Ecosystem

HomeKit is here, available in the Silicon Labs Gecko SDK today! Come learn about everything new and exciting with HomeKit. The next generation of low power devices to be included in the HomeKit ecosystem, and the requirement for BLE functionality.

Shna
 Manager
 Labs
 Maker



Filter Sessions

- Time >
- Region >
- Track >
- Type** >
 - THOUGHT LEADERSHIP
 - TECHNICAL HANDS-ON
 - TECHNICAL INSTRUCTION
- Topic >

Clear All

Course Code Types

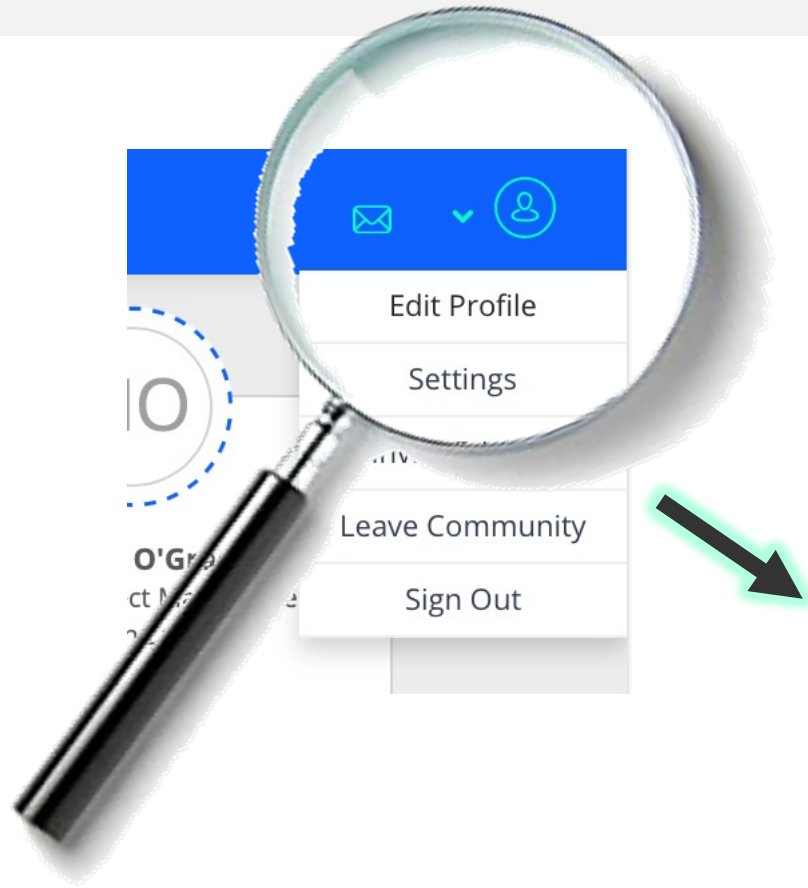
- 100 Thought Leadership
- 200 Technical Instruction
- 300 Technical Hands-On

Networking


The screenshot shows a networking application interface. On the left, there is a sidebar with navigation options: Home, SEARCH (People, organizations and more...), GROUP SEARCH (Job Title, Organization, Country), SORT BY (Recently Joined, Name (A-Z), Company (A-Z), Most Viewed), and FILTER BY (All Attendees, My Connections, Suggested Connections, Starred, Who Viewed My Profile). The main content area displays a grid of user profiles. A magnifying glass is positioned over the profile of Nick Dutton, a Senior Product Manager at Silicon Labs. Other visible profiles include Guez I&BA, Krunal Patil (Sr. Software Engineering Manager at Calix), Michael O'Grady (Manager, Project Management at Silicon Labs), Aaron Swift (Director of Ops at SmartThings), Andrew Krenz (FAE at Silicon Labs), Don Markuson (Software Engineer at Silicon Labs), Richard Heffernan (Director Program Management at CommScope), John Degraaf (Sr. Software / Firmware Eng at Carrier), Jake Depaul (CEO at Lexcor Properties LLC), Natasha Nash (Manager - Products & Services at TELUS), Brad Xu (Engineer II at TELUS), Ed Sharp (Product Quality Engineer at Silicon Labs), and Mrinalini Padmanabhan (Validation Engineer at Silicon Labs). Each profile card includes a circular avatar with initials, the user's name and title, company name, and buttons for 'SEND MESSAGE' and 'STAR'.

The screenshot shows the header of a conference website. The navigation bar includes 'works with', 'Home', 'Agenda', 'Register', 'Speakers', and 'Network'. The main content area features the 'works with' logo, the title 'Your One Connection to All Things IoT', the dates 'September 14-15, 2021', and a 'Register Now' button. Below this, there is a section titled 'Accelerate the Creation of IoT Innovations' with a brief description of the conference and a 'Register Now' button.

Networking



Your Profile



First Name *	Last Name *
Nick	Dutton
Email *	Job title
ndutton@the-brit.com	Senior Product Manager
Change email	
Organization	Country
Silicon Labs	United States of America

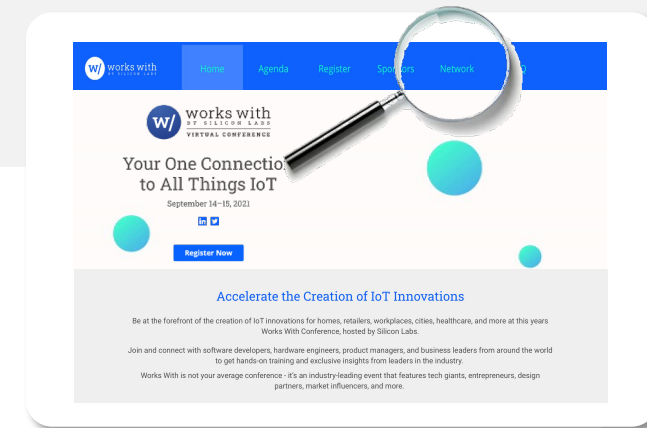
Share what you are looking to get out of this event

Website Blog

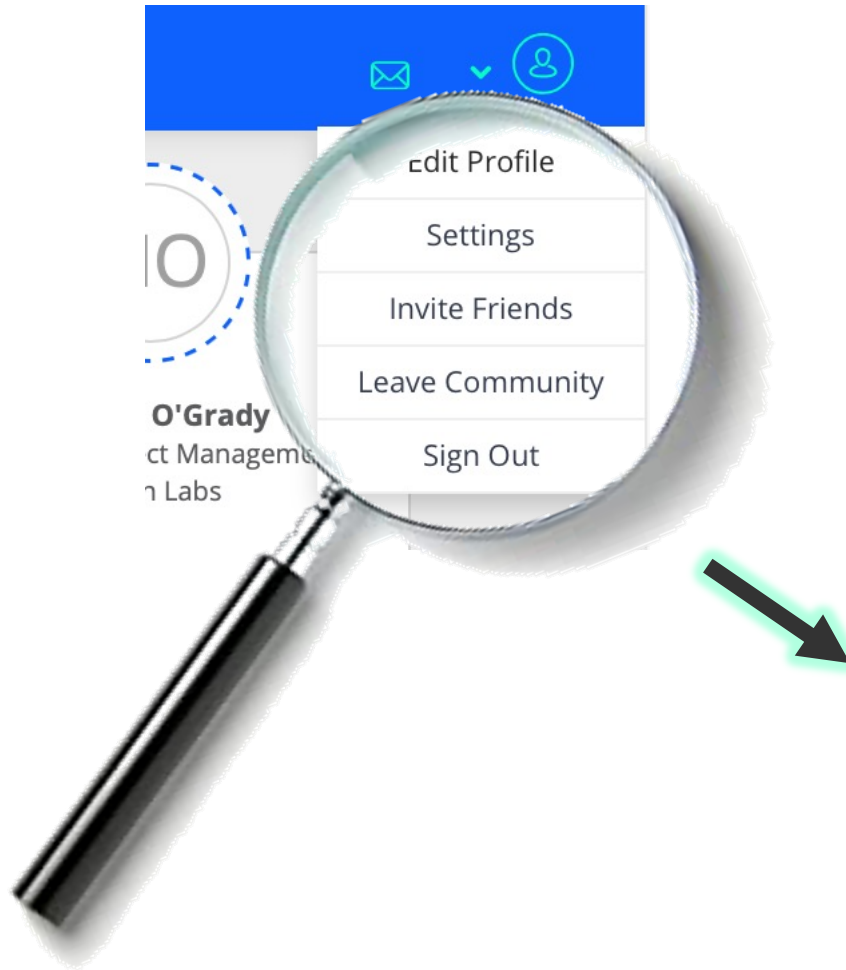
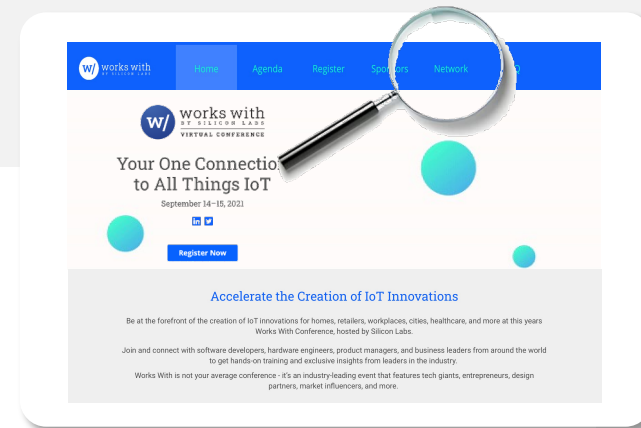
Summary

By checking this box, you agree to our [End User Terms](#) and acknowledge that you have read our [Privacy Policy](#)

SAVE



Networking



Settings

These general settings will be applied across all events associated with the logged in user profile.

Announcements

When the event organizer shares a special announcement
When an attendee sends me a personal message

- Push Notifications Email
- Push Notifications Email

Who Viewed My Profile

Share my profile views with others
Let others see that I viewed their profile. When set to off you will not be able to see who viewed your profile.

When attendees view my profile

- Push Notifications Email

Join Community Activity

Share my Joined Events with my connections
When set to OFF you will not be able to get notifications of other Joined connections

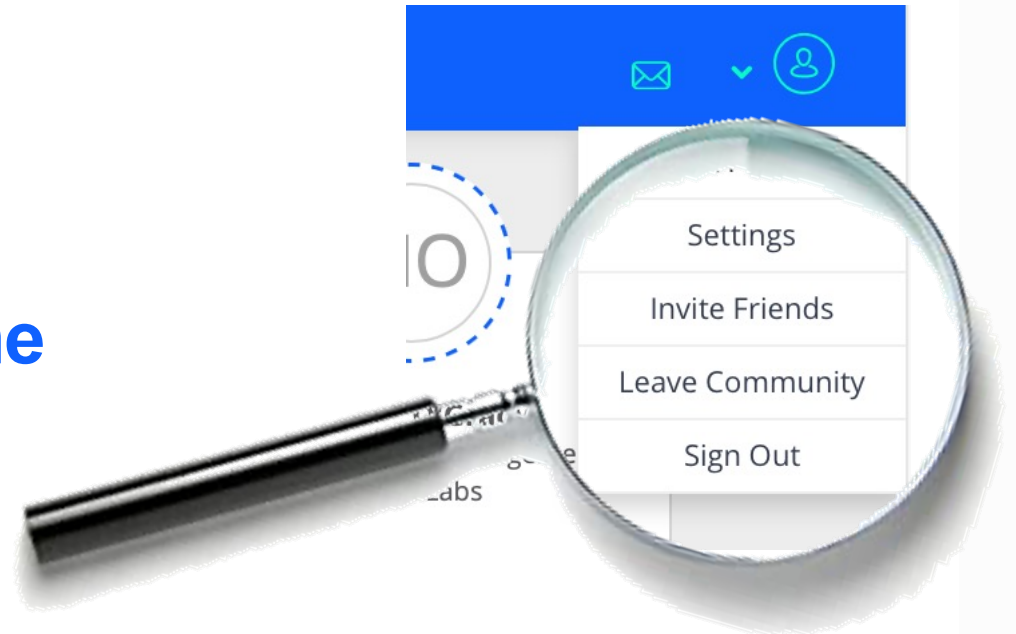
Notify me when my LinkedIn connections join an event community

- Push Notifications Email

Networking



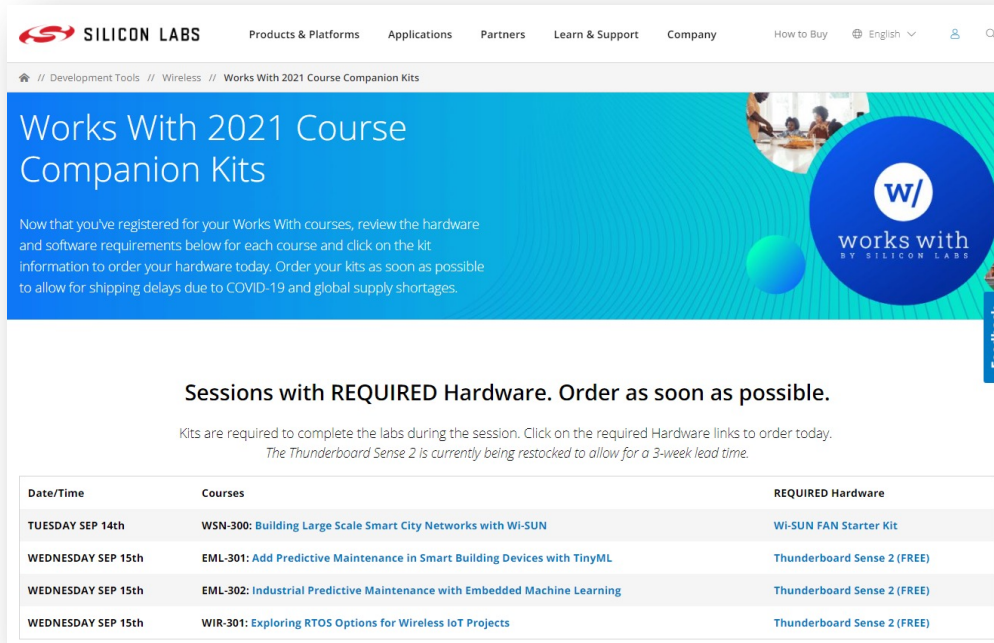
**You can change your mind anytime
Your privacy is yours to control**





Know Before You Go!

WW 2021 Course Companion Kits



The screenshot shows the Silicon Labs website page for 'Works With 2021 Course Companion Kits'. The page features a blue header with the Silicon Labs logo and navigation links. Below the header, there is a main heading 'Works With 2021 Course Companion Kits' and a sub-heading 'Sessions with REQUIRED Hardware. Order as soon as possible.' A table lists the courses and their required hardware. A 'Feedback' button is visible on the right side of the page.

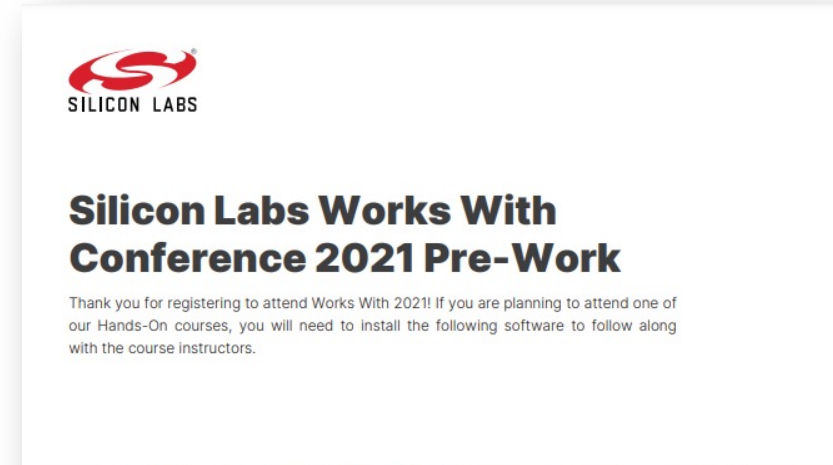
Date/Time	Courses	REQUIRED Hardware
TUESDAY SEP 14th	WSN-300: Building Large Scale Smart City Networks with Wi-SUN	Wi-SUN FAN Starter Kit
WEDNESDAY SEP 15th	EML-301: Add Predictive Maintenance in Smart Building Devices with TinyML	Thunderboard Sense 2 (FREE)
WEDNESDAY SEP 15th	EML-302: Industrial Predictive Maintenance with Embedded Machine Learning	Thunderboard Sense 2 (FREE)
WEDNESDAY SEP 15th	WIR-301: Exploring RTOS Options for Wireless IoT Projects	Thunderboard Sense 2 (FREE)

TUESDAY SEP 14, 1:00 PM - 2:45 PM

WSN-300: Building Large Scale Smart City Networks with Wi-SUN

This hands-on session reviews how to build your own Wi-SUN network. Learn how our large network testbed gathers network performance and latency data to help customers design and deploy robust Wi-SUN networks.

Explore the [pre-work](#) and [software installation instructions](#) for this hands-on session.



The banner features the Silicon Labs logo at the top left. The main heading is 'Silicon Labs Works With Conference 2021 Pre-Work'. Below the heading, there is a paragraph of text: 'Thank you for registering to attend Works With 2021! If you are planning to attend one of our Hands-On courses, you will need to install the following software to follow along with the course instructors.'



Hands-On Courses – Pre-Work Required

- [WSN-301: Building Large Scale Smart City Networks with Wi-SUN](#)
- [WIR-301: Exploring RTOS Options for Wireless IoT Projects](#)
- [EML-301: Add Predictive Maintenance in Smart Building Devices with TinyML](#)
- [EML-302: Industrial Predictive Maintenance with Embedded Machine Learning](#)
- [SEC-301: Hands On with Secure Manufacturing](#)

**Order the Hardware
Today!**

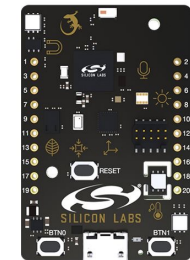
**Wi-SUN FAN Starter Kit
(SLWSTK6007A)**



Get 50% off Kit

WW Promo: \$200
Normally: \$400

**Thunderboard Sense 2
Sensor-to-Cloud Advanced IoT Kit
(SLTB004A)**



Get the Free Kit

Technical Demonstrations (HW Not Required)

Courses	Demonstrated Hardware
AMZ-301: Building a Sidewalk Demo with Silicon Labs EFR32	xG21 Wireless Starter Kit Secure Vault Radio Board xG21
APL-201: Learn how to use HomeKit for End Device Applications	xG21 Wireless Starter Kit
SEC-201: Applying Security to Verify Deployed Products are Authentic	xG21 Wireless Starter Kit Secure Vault Radio Board xG21
SMC-102: Smart City Network Management in the Cloud Using Pelion	Wi-SUN FAN Starter Kit
ESL-201: How to Drive an ePaper Module with a wireless MCU EFR32xG22 WRB	EFR32xG22 WRB EFR32xG12 WRB (2) WSTK Base Boards eInk HULK Driving Board
LPW-201: How to Develop IoT Applications with Proprietary Wireless	FG14 Wireless Starter Kit
MAT-301: Matter Development with OpenThread & Home Ecosystems	xG21 Wireless Starter Kit Thunderboard Sense 2 (FREE) Raspberry Pi 3+ & Accessory Kit
MSH-202: Accelerating Bluetooth Mesh Development	xG21 Wireless Starter Kit
ZGB-201: What is Zigbee Direct?	xG21 Wireless Starter Kit

Simplified Developer Experience

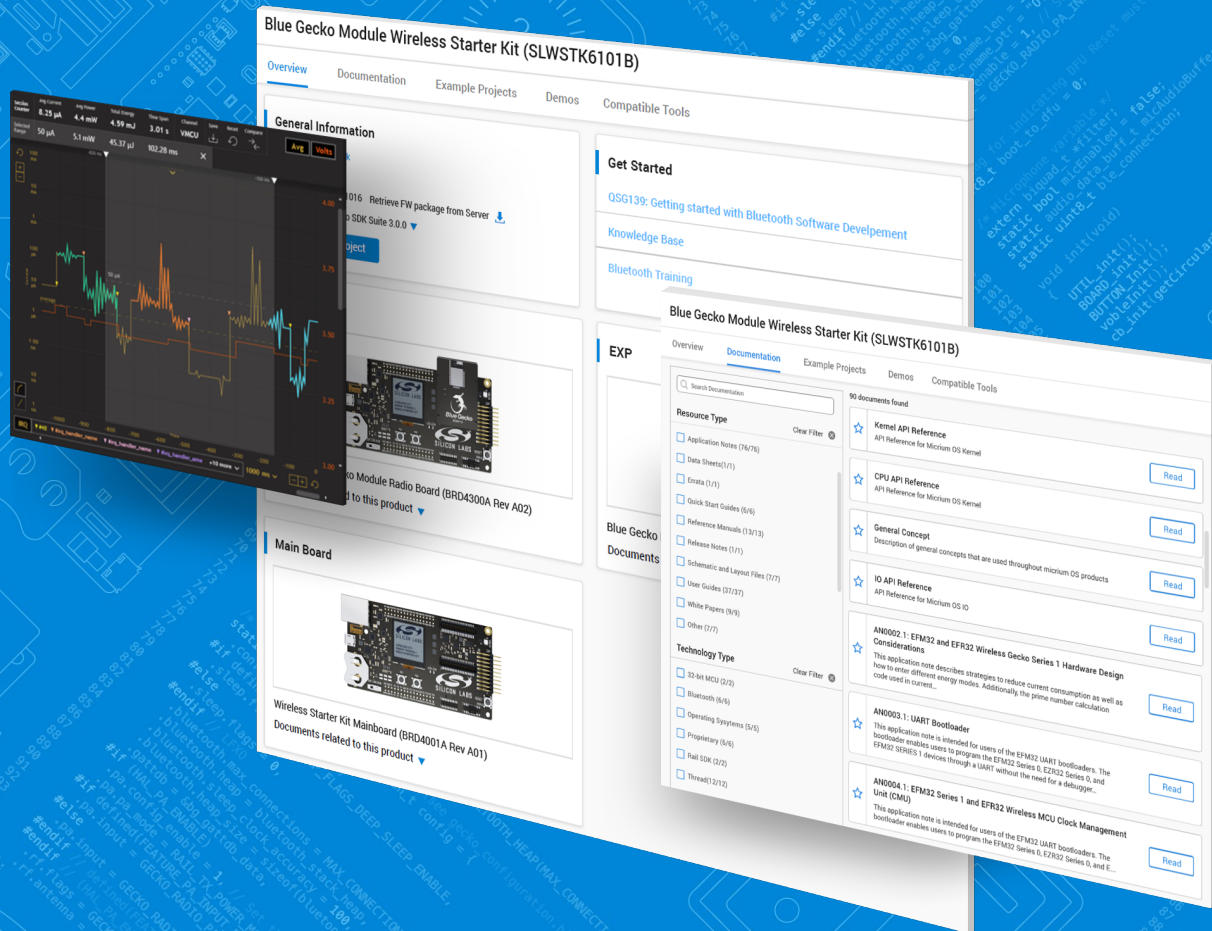
• [Simplicity Studio 5](#)

• Interface

- ▶ Fresh, new & simplified
- ▶ Intuitive out-of-the-box experience
- ▶ Fast access to developer resources
- ▶ Linux, Mac & Windows

• Tools

- ▶ Configuration utilities
- ▶ Compiler
- ▶ Error & validation
- ▶ IDE & command line support
- ▶ Graphical hardware configurator
- ▶ Energy Profiler – visual energy analysis
- ▶ Network Analyzer – packet capture & decode



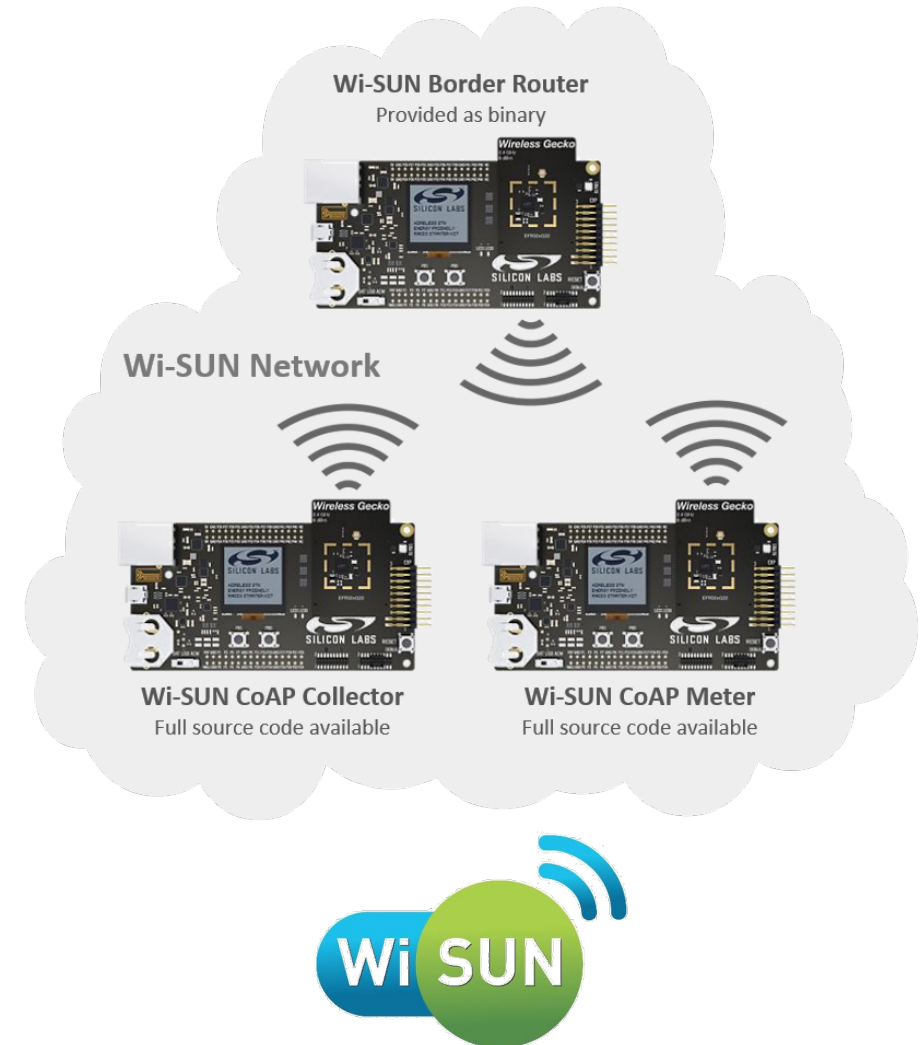
WSN-301: Building Large Scale Smart City Networks with Wi-SUN

What You'll Learn

- Wi-SUN FAN Specification
- Silicon Labs' Wi-SUN Solution
- Large Network Simulation
- Build your own Wi-SUN network
- Analyze Wi-SUN Network Data

What You'll Need

- Wi-SUN Starter Kit
- Simplicity Studio v5
 - Gecko SDK
 - Wi-SUN SDK
- Wireshark



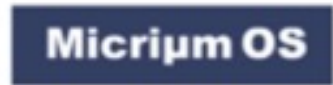
WIR-301: Exploring RTOS Options for Wireless IoT Projects

▪ What You'll Learn

- A high-level overview of RTOS functionality
- Deciding which RTOS in a wireless IOT project
- Lab: Walk through the process for getting started with a couple of different RTOSes on EFR32

▪ What You'll Need

- Thunderboard Sense 2
- Simplicity Studio v5
 - Gecko SDK
 - Bluetooth SDK
 - Flex SDK
- Thunderboard Mobile App



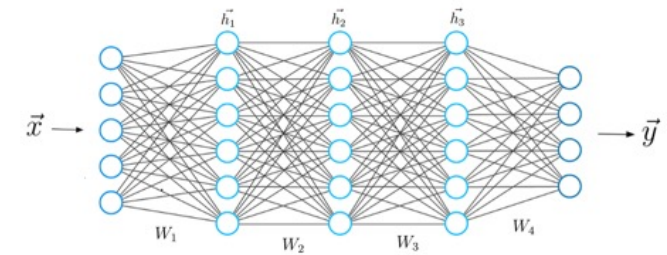
EML-301/302: Embedded Machine Learning

What You'll Learn

- Machine Learning Data Collection and Labeling
- Creating Models from Data
- Testing Learning Models
- Deploying Models to Embedded Devices

What You'll Need

- Thunderboard Sense 2
- Simplicity Studio v5
- SensiML Pre-Work
 - GitHub™ Example Application
 - SensiML Analytics Toolkit
- Edge Impulse Pre-Work
 - Node.js
 - Project Setup



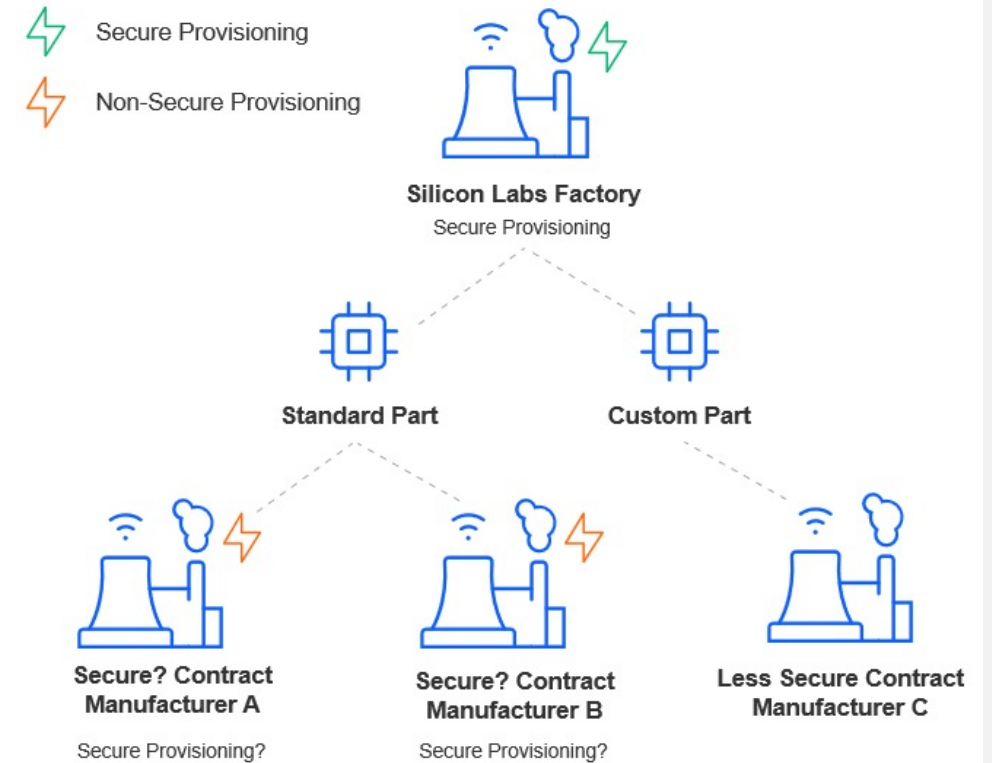
SEC-301: Hands-On with Secure Manufacturing

What You'll Learn

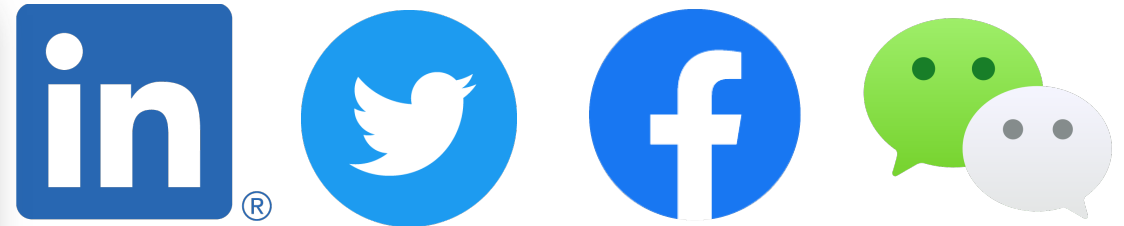
- Device Configurations
 - Key Injection
 - Anti-Tamper Configuration
 - Secure boot
 - Debug lock
- Custom Part Manufacturing Service

What You'll Need

- Simplicity Studio v5
 - Gecko SDK
- Edit OS Environment Variables
 - Easily use simplicity commander

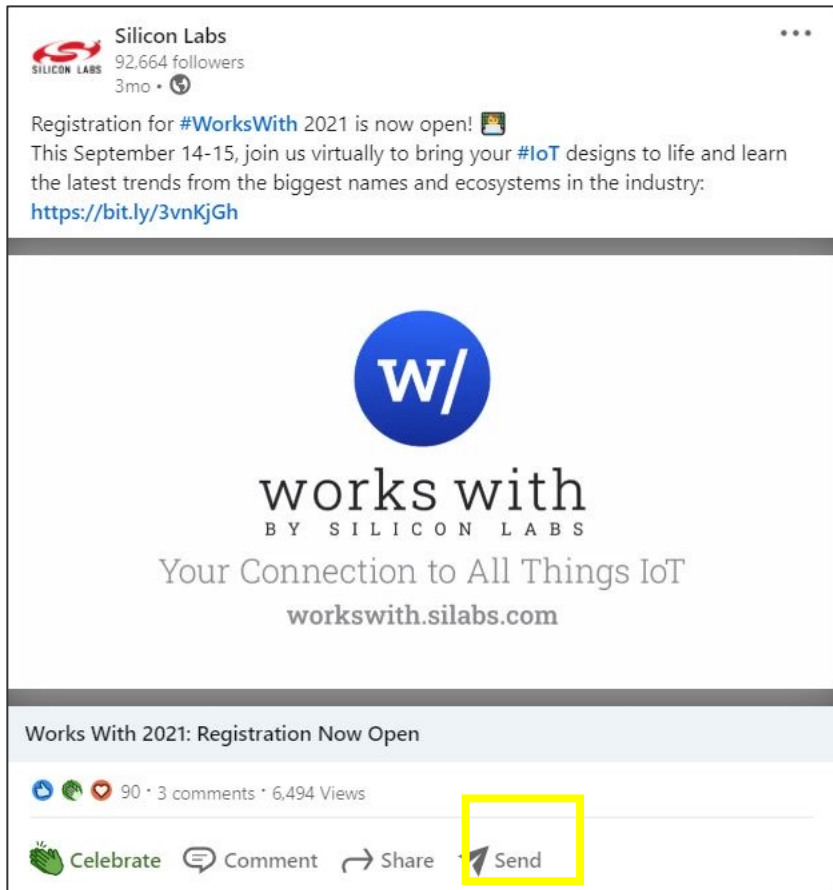


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 - www.twitter.com/siliconlabs
 - www.facebook.com/siliconlabs
 - www.silabs.com/about-us/wechat
- Join the conversation using #WorksWith

Share and Win!



First 10 people who share this LinkedIn video post with their network today wins a \$50 Amazon gift card

- **Go to Silicon Labs' LinkedIn Page**
 - <https://www.linkedin.com/company/siliconlabs>
- **Find this video post pinned to the top**
- **Click 'Share' and add a unique message to share with your network**

Get Ready for Works With 2021!

- **Register Today**

- https://workswith.silabs.com/?utm_source=Content&utm_term=Webinar&utm_content=Tech-Talks

- **Know Before you Go**

- <https://www.silabs.com/development-tools/wireless/works-with-2021-course-companion-kits#top>

- ▶ Order Necessary Kits
- ▶ Install Simplicity Studio v5
- ▶ Walk through Pre-Work doc

- https://s3.amazonaws.com/bizzabo.users.files/BkNhRBISUuz0puNigJfY_00%20Works%20With%202021-PreWork%20-%20Rv4.pdf

- **Follow Us on Social Media**

- <https://www.linkedin.com/company/siliconlabs>
- Share Top LinkedIn Post for chance at \$50 Amazon Gift card



tech **t▶lks**

THANK YOU





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Q&A



