IOT–1264: Controlling IoT Devices via Voice Using Watson APIs

Sessions Internet of Things

Hands-on Lab

24 October 2016 , 12:30 PM – 03:00 PM

In this lab we will setup an IBM Bluemix/IoT environment. We will connect an IoT device to the Watson IoT Platform. We will orchestrate the MQTT message flow and create a dashboard. Once we have the data flowing, we will setup a Watson API to speak out loud. Then we'll setup a Watson API via Node-RED to take in language via speech-to-text and setup the natural language analyzer to fine-tune the speech input. The result will be that the participants can ask Watson about the IoT device and its sensor value in Natural language, like: "Watson, what is the room temperature? " Or: "Hey, Watson, could you set the temperature to 20 degrees C?"

Speaker

Markus van Kempen, IBM

Industry

Not Industry Specific

IOT–1321: Introduction to IoT: Build Your Own Basic IoT App

Sessions Internet of Things

Hands-on Lab

27 October 2016 , 09:00 AM – 11:30 AM

Use the Watson IoT Platform, the visual coding tool Node-RED, and a sensor-based learners' kit to build a basic IoT application. Start from scratch and learn how to rapidly compose IoT functions, connect sensors and visualize data collected from the Internet of Things. Walk away with new skills, and your own IoT starter kit—a Raspberry Pi 3, SD Card and Sense HAT.

Speaker

John Walicki, IBM

Industry

Information Technology

IOT–1353: USA Cycling Team Pursuit with Mobile, Watson IoT and Spark Streaming Analytics

Sessions Internet of Things

Breakout Session

24 October 2016 , 12:00 PM – 12:45 PM

Team pursuit track cycling is a bicycle racing sport held in velodromes, and it is part of the Summer Olympics. It involves the use of strategies to minimize the overall time that a team of cyclists needs to complete a race. Come hear USA Cycling outline their use of Mobile, Watson IoT, real-time analytics from Spark Streaming and Bluemix services to provide an edge to their training program with new pacing and transition strategy insights.

Speakers

Randall Wilcox, IBM

Jim Miller, USA Cycling

Industry

Media & Entertainment

IOT–1402: An In-Depth Look into IBM's Internet of Things

Platform for Insurance

Sessions Internet of Things

Breakout Session

27 October 2016 , 01:00 PM – 01:45 PM

The insurance industry is at a key intersection for the advancement and adoption of the Internet of Things. The IBM IoT Platform for Insurance provides a comprehensive model for insurance carriers to leverage a scalable, feature-rich and end-to-end platform for the industry. This session will provide an in-depth examination of the platform, its benefits and the broader ecosystem. It will walk through how the IBM IoT Platform for Insurance can enable insurance carriers to quickly and efficiently gain business value using IoT. We will explore how deep analytics, cognitive computing and third-party data are leveraged to differentiate the platform specifically for insurance businesses.

Speakers

Edward Calusinski, IBM

Chuck Mathews, Erie Insurance

Industry

Insurance - General

IOT–1428: Operationalize Industrial IoT Data with Predictive Maintenance and Quality on Cloud

Sessions Internet of Things

Breakout Session

24 October 2016 , 08:00 AM – 08:45 AM

The Industrial IoT generates data at an astounding rate. Organizations that operationalize IoT data gain competitive advantage. Cloud is the quickest way to realize these benefits. IBM's predictive maintenance, quality and warranty capabilities delivered on cloud enable asset-intensive organizations to transform IoT data into actionable insight to increase equipment reliability and availability, improve process and product quality, and understand when and why products prematurely wear out. Learn how IBM can help accelerate advanced analytics implementation, handle large data volumes, facilitate

rapid development and use of predictive models, and enable lines of business to act upon predictive insight regardless of location or device.

Speakers

ISHAN SEHGAL, IBM

Olivier Jouve, IBM

Industry

Industrial Products

IOT–1430: Real-World Application of the IBM Watson IoT Stack for Predictive Maintenance

Sessions Internet of Things

Breakout Session

24 October 2016 , 01:00 PM – 01:45 PM

Learn how ADLink Technology has successfully implemented a combination of IBM Watson IoT technology with Intel hardware running "on the edge" to solve predictive maintenance and quality problems. ADLink will report on issues of edge computing experienced during the implementation. The discussion will explore some of the real-world limitations that ADLink has experienced regarding the assumptions inherent to cloud-centric deployment, and demonstrate a smart conveyor system showing integrated Watson IoT technology (PMQ, Watson Platform) running in a hybrid edge/cloud configuration.

Speaker

Jeff Munch, ADLink Technology

Industry

Industrial Products

IOT–1527: Fit and Forget: Self-Powered IoT Sensing and Control for Building Asset and Real Estate Systems

Sessions Internet of Things

Breakout Session

27 October 2016 , 10:00 AM – 10:45 AM

Low-cost, wired electronic sensors and switches allow many buildings to have localized control of the immediate environment. Wireless IoT controllers are adding new dimensions to this, transmitting data back to cloud-based platforms that perform analytics. Wireless sensors offer considerable flexibility and low installation costs, but are typically battery-powered, causing considerable maintenance overhead. This discussion overviews EnOcean's range of self-powered, wireless IoT building sensors, and demonstrates how users get a fit-and-forget solution requiring no maintenance. Communicating via Bluemix they can interact directly with an IBM Watson IoT platform.

Speaker

Andreas Schneider, EnOcean GmbH

Industry

Energy & Utilities

IOT–1629: Thinking Outside the Toolbox: How Digital Technologies are Powering the Operations Revolution

Sessions Internet of Things

Breakout Session

24 October 2016 , 04:00 PM – 04:45 PM

A new kind of industrial revolution is upon us, as digital technologies redefine business strategy and operational execution. Executives are under pressure to innovate and make smart investments in game- changers like the IoT, mobility, cloud computing and analytics. Challenges remain, such as talent issues, data security and more. And while some industries are embracing a transformation agenda—redefining core processes and creating new business models for competitive advantage—others are lagging behind. What can executives do to stay at the forefront of the digital operations revolution? Come participate in a real-time, online assessment of the maturity and trend progression of Digital Operations Reinvention across industries.

Speaker

Karen Butner, IBM

Industry

Not Industry Specific

IOT–1797: IBM Cloud Customer Reference Architecture for IoT, Including a Smart Home for Insurance Example

Sessions Internet of Things

Breakout Session

25 October 2016 , 04:00 PM – 04:45 PM

The Internet of Things (IoT) is one of the most exciting and dynamic areas of IT at the present time. We have developed the IBM Cloud Customer Reference Architecture for IoT. This talk goes over the details of each element that may be needed for any IoT solution across five domains: user layer, proximity network, public networks, provider clouds and enterprise networks. We will explain the capabilities and relationships for

supporting IoT using cloud computing within this architecture. The architecture is realized using IBM Bluemix services like IBM Watson IoT Platform and Cloudant. We also show a Smart Home insurance scenario, which leverages key components for this architecture in a hybrid cloud configuration.

Speakers

Gopal Indurkhya, IBM

Eric Libow, IBM

Industry

Insurance - General

IOT–1823: Cognitive Environment of Care at Jefferson Hospital, Powered by Watson IoT

Sessions Internet of Things

Breakout Session

26 October 2016 , 11:00 AM – 11:45 AM

At Jefferson Hospital and at IBM, we believe innovation and consumer experience matter. The IBM Watson IoT, in collaboration with Harman Kardon speaker systems, enables Jefferson to deliver an innovative consumer experience in the hospital setting where patients can interact via voice to adjust environmental and building automation systems to their preferences. These systems and platforms can draw preference patterns from selections and, moreover, remember preferences for follow-up visits, allowing for a personalized, engaging and interactive patient experience. The greatest advantage is that patients are enveloped by a responsive, cognitive and personalized environment of care when they need it most.

Speakers

Amit Fisher, IBM

Neil Gomes, Thomas Jefferson University & Jefferson Health System

Industry

Healthcare & Life Sciences

IOT–1949: Unleashing the Power of the Cognitive Internet of Things

Sessions Internet of Things

Breakout Session

27 October 2016 , 10:00 AM – 10:45 AM

Global business leaders are actively seeking to harness the transformative capabilities of the Cognitive Internet of Things (CIoT). The explosion of enterprise digitization has arisen from the massive increase in data stemming from human-to-device interactions. This session will explore several use cases that highlight the power and capabilities of CIoT. These emerging trends will demonstrate how today's companies can offset constantly fluctuating market dynamics, create competitive advantages, improve customer relationships and deliver quantifiable value to both the top and bottom lines. It also provides an overview of how CIoT can be applied across the enterprise from both a business and operating model perspective.

Speaker

Erik Zink, IBM

Industry

Industrial Products

IOT–2052: Cockpit for Big Systems and Big IoT Systems Leveraging IBM Bluemix and Watson

Sessions Internet of Things

Breakout Session

27 October 2016 , 02:00 PM – 02:45 PM

In our current world, we need to manage very big systems with a huge number of assets. In this context, SOGETI developed by leveraging IBM software and IBM Cloud solutions (Bluemix, Watson) a cockpit to control and command those systems of systems. This session will present one of our first implementations of Cockpit for Big Systems (CBS) and Cockpit for Big IoT Systems (CBIoTS) for precision farming with Drotek—a new

solution for better analysis and control of crop production with improved efficiency and reduced environmental impact.

Speakers

Patrick Marquet, SOGETI

Kevin LOPEZ-ALVAREZ, Drotek

Industry

Government

IOT–2369: Cognitive Computing and the Internet of Things: Unlocking the Data Challenge in Healthcare

Sessions Internet of Things

Breakout Session

27 October 2016 , 08:00 AM – 08:45 AM

The IoT and cognitive computing hold great promise for revolutionizing healthcare. There are high hopes for better disease management, revolutionary patient care models and improved health and wellness made possible from collection, analysis and real-time insights from the ocean of data that is exploding with the advent of connected devices. This discussion will explore how IoT and cognitive are changing how the healthcare industry operates, impacting the evolution of design of medical devices for a cognitive IoT, and shifting business models (moving beyond the physical to an all-new digital experience). At its heart, IoT is a data challenge. An IoT strategy provides the best opportunity to exploit this data for the greatest impact.

Speaker

Kim Cobb, IBM

Industry

Electronics

IOT–2422: Industrial Internet of Things in the Cognitive Era

Sessions Internet of Things

Breakout Session

27 October 2016 , 09:00 AM – 09:45 AM

We'll share our experiences with Oxfam, providing real-time monitoring of water points in order to predict water stress conditions and maintenance needs. SensorInsight from Element Blue bridges the gap between data silos to visualize all of your instrumented systems and provide a comprehensive view across your operating environment. Specifically designed for industry applications and domains such as water, agriculture, transportation, energy, manufacturing and healthcare, SensorInsight allows you to discover new insights and react to information in real time. In future phases, data from The Weather Company may be integrated.

Speaker

Joey Bernal, Element Blue

Industry

Energy & Utilities

IOT–2522: Harnessing Engineering Expertise for Predictive Maintenance to Perform Cognitive Maintainance

Sessions Internet of Things

Breakout Session

25 October 2016 , 01:00 PM – 01:45 PM

As New Zealand's largest and the most significant contributor to the country's target for renewable generation, Meridian Energy is the guardian of some of New Zealand and Australia's most iconic hydro and wind assets, including the world's first wind farm in Antarctica. In order to leverage IoT information, make sense of it and apply business rules to improve maintenance and assets uptime, Meridian has partnered with Certus Solutions to deliver advanced analytics through the IBM PMQ Platform. With IBM PMQ, Meridian is able to replace the process of deliberately and regularly employing mental exercises and lifestyle modifications to enhance cognitive efficiency and perform cognitive maintenance.

Speakers

Neil Gregory , Meridian Energy

Michael Cahir , Certus Solutions

Industry

Energy & Utilities

IOT–2530: How Weather Data and the IoT Improve Nutrition and Food Safety throughout the Supply Chain

Sessions Internet of Things

Breakout Session

27 October 2016 , 12:00 PM – 12:45 PM

How grain is grown and harvested is important for human nutrition as well as food safety. Targeted Grain Management (TGM) is in the business of helping growers and

others in the grain supply chain preserve and condition bulk grain by means of aeration. Their TGM System collects and leverages data, including weather data, from multiple sensors connected over the Internet of Things to save time, reduce energy use, speed up harvests and prevent spoilage. In this session, TGM's founder, Dan Kallestad, talks about using IBM Analytics technology to harness data captured from the Internet of Things to achieve higher bin yields and more profit.

Speakers

Shawn Moe, IBM

Dan Kallestad, Targeted Grain Management

Industry

Wholesale Distribution and Services

IOT–2597: Transforming Supply Chains with IoT and Blockchain

Sessions Internet of Things

Breakout Session

26 October 2016 , 08:00 AM – 08:45 AM

Over the past year, Blockchain technology has become one of the hottest buzzwords of the industry. While its foundation comes from Bitcoin and it has immediate relevance in the banking and financial services industries, Blockchain technology has many more applications in various industries. In this session, you will hear from Kouvola Innovation Ltd., a dynamic development company owned by the City of Kouvola in Finland. The session will discuss how they plan to utilize IoT and Blockchain to revolutionize the supply chain and logistics industries in northern Europe, enabling potential cost savings of hundreds of millions of euros.

Speaker

Mika Lammi, Kouvola Innovation

Industry

Travel & Transportation

IOT–2653: Hands-On Lab: IBM Watson IoT Real-Time Insights Walkthrough

Sessions Internet of Things

Hands-on Lab

25 October 2016 , 12:30 PM – 03:00 PM

In a smart building, it is imperative to monitor the functioning of facilities operations. One of the critical parameter to monitor is the temperature of the facility. IBM TRIRIGA is an integrated workplace management system, which increases the operational, financial and environmental performance of facilities. Temperature sensors will detect sudden increases in temperature. Events like “door left open” in case refrigerators and vending machines can lead to damaged food. Real-time events demand real-time action, and the IBM Real-time Insights service along with Watson IoT, can not only detect the event but also initiate an action. The action can be a web hook (http) to another application or Email, node-RED or IFTTT.

Speaker

Amarjeet MUNDI, IBM

Industry

Retail

IOT–2752: Utilize IoT Data to Define Real-Time Analytics with Watson IoT Platform

Sessions Internet of Things

Hands-on Lab

25 October 2016 , 04:00 PM – 06:30 PM

With connected devices, there has been an explosion of information generated from a growing number of sources. Thanks to low-cost sensors/high speed gateways, IDS predicts 400 zetabytes of data by the end of 2018. We are no longer in a terabyte world. Industries demand platform/services to host, aggregate and analyze data to glean actionable insights. We introduce IBM Watson IoT Platform on cloud, which provides a

complete solution from secure connectivity to real-time analytics with visual dashboarding and rule-based alerts. The platform also provides custom solutions for engaging machine learning to detect anomalies in the behavior of things. This lab will require a Bluemix ID to explore capabilities in IBM Watson IoT.

Speakers

Wayne Riley, IBM

SRINIVAS CHITIVELI, IBM

Industry

Consumer Products

IOT–2755: IBM Watson IoT Plus The Weather Company Equals a Game-Changer for Energy and Utilties

Sessions Internet of Things

Breakout Session

24 October 2016 , 09:00 AM – 09:45 AM

Following IBM's acquisition of the Weather Co, we've been busy integrating weather data into a majority of existing and new offerings. Join us as we discuss how energy and utilities organizations are leveraging weather data to predict outages, position safety and maintenance crews and restore power quickly to their customers in a serious weather event. IBM's Insights Foundation for Energy platform is an end-to-end analytics solution for energy and utilities. Built on open and industry standards, utilities around the world leverage the Insights Foundation for Energy platform to make faster, better and smarter decisions.

Speakers

Joe Sullivan, The Weather Company

Jack Lynch, IBM

Industry

Energy & Utilities

IOT–2780: Device Management APIs with IBM Watson

IoT Platform: A Walk-Through

Sessions Internet of Things

Hands-on Lab

26 October 2016 , 09:00 AM – 11:30 AM

To paraphrase Gartner, one of the most Influential area for monetization within Internet of Things is device management. IBM Watson IoT Platform provides native device management, through which we can define devices as managed or unmanaged. Capabilities include registration of devices; device actions like firmware updates, factory reset and device reboot; location updates and weather context. This session will provide hands-on experience on Watson IoT Platform device management capabilities, and also will expose you to using Swagger APIs for device management functions like bulk registration and getting weather information from the device.

Speaker

Amarjeet MUNDI, IBM

Industry

Industrial Products

IOT–2823: IoT Real-Time Analytics on the Edge

Sessions Internet of Things

Hands-on Lab

27 October 2016 , 09:00 AM – 11:30 AM

This lab will give you hands-on experience using the Watson IoT Platform Analytics capability to define and manage analytics that run on the edge. No analytics experience is necessary. Come learn how to define your own analytics for the edge and see how the Watson IoT Platform handles the complexity of managing and distributing them to the edge for you.

Speakers

Wayne Riley, IBM

Eric Libow, IBM

Industry

Not Industry Specific

IOT–2840: Bringing the Power of Watson IoT to the Edge

Sessions Internet of Things

Breakout Session

24 October 2016 , 11:00 AM – 11:45 AM

Increasingly, the burden of IoT demands that we get smarter about how and where we process the data. IBM is working with Cisco and other partners to coordinate analytics and data processing from the cloud to the edge of the network to respond to conditions with low latency, throttle the flow of data to the cloud or the datacenter, and reduce the overall cost and burden of IoT data and network traffic. Attend this session to hear how we enable analysis of data close to the source by distributing analytics and data processing out into the network, while still delivering the right data to the cloud for deeper analysis across sites and fleets.

Speakers

Wayne Riley, IBM

Eric Libow, IBM

Jim Green, Cisco Systems

Industry

Not Industry Specific

IOT–2844: Exploring Blockchain in an Internet of Things Construct

Sessions Internet of Things

Breakout Session

24 October 2016 , 10:00 AM – 10:45 AM

As the Internet of Things continues to grow at a rapid rate, sensors and devices are becoming more commonplace as a way to communicate information about the status of things. Learn how IBM's IoT and Blockchain services send data from the IoT to private blockchain ledgers for inclusion in shared transactions with tamper-resistant records.

Leveraging Blockchain for your IoT data opens up new ways of automating business processes among your partners without setting up a centralized IT infrastructure. Hear sample business use cases and technical architectures as you take the first step towards defining IoT and Blockchain projects within your organization.

Speakers

James Murphy, IBM

Jeff Achtermann, IBM

Industry

Not Industry Specific

IOT–2890: Aging with Dignity: A Cognitive Assistance Use Case

Sessions Internet of Things

Breakout Session

24 October 2016 , 02:00 PM – 02:45 PM

Cooperativa Sole is a caregiver provider based in northern Italy, whose mission is to support municipalities and private customers by delivering on-site services to seniors, both in assisted living facilities and private residences. Learn how IBM Research teamed with Sole to leverage cognitive technologies and Internet of the Caring Things applications to improve quality of care, provide deeper insights to caregivers and relatives, optimize operations and help to lower costs, while enhancing the independence and quality of life for seniors under their care.

Speakers

Nicola PALMARINI, IBM

Roberta Massi, Sole Cooperativa

Industry

Government

IOT–2893: Blockchain Explained: Ideas on Blockchain,

Open Source and Reimaging Business Networks

Sessions Internet of Things

Theater Session

24 October 2016 , 01:30 PM – 01:50 PM

Viewed as both an opportunity and a threat, Blockchain is driving the reinvention of many of the world's most fundamental business interactions. The ability to make the simple construct of a distributed ledger real has also opened the door to completely new ideas on how we exchange value and own assets in the digital age. IBM is working to reimagine business networks across finance, healthcare, insurance, supply chains and IoT. See real IoT use cases and join us as we share ideas on Blockchain, advancing the idea of a powerful open source approach, and helping the industry advance towards a mature technology to support serious business. You will have the opportunity for Q&A and to see live demonstrations of Blockchain technology.

Speaker

Jerry Cuomo, IBM

Industry

Not Industry Specific

IOT–2896: Weather and Location Should Be the Core of Your Business Strategy

Sessions Internet of Things

Breakout Session

27 October 2016 , 11:00 AM – 11:45 AM

Not new!: Property insurers have changed their risk tolerance in all counties adjacent to US coasts; public safety officials correlate heat with certain types of predictive crimes; and citizen scientists can predict their local weather in the next hour by easily fusing location-based social media reporting and mobile weather maps. What is new are businesses that are increasing sales from vending machines strategically placed by micro-location and weather characteristics. Or big box stores that proactively adjust supply chains and store stocks to meet public demand for goods caused by a weather

event. Or a razor company that optimizes sales based upon demographics, location and regional climate—all using the worlds' best weather data.

Speaker

Julio Olimpio, Esri

Industry

Not Industry Specific

IOT–3008: The Race Continues with IBM Watson IoT, SPSS and Bluemix as Invaluable Crew Members

Sessions Internet of Things

Breakout Session

25 October 2016 , 02:00 PM – 02:45 PM

Learn how IBM Watson IoT is used for a telematics platform and diagnostic analytics in real-time. DataSkill and SilverHook Powerboats are proving the IBM solution for intelligently predicting performance and reliability while competing in the Unlimited Class at 140 mph. SilverHook uses edge analytics, IoT and the cloud to enable fans, racing officials and crews to visualize the boat performance and analytics during offshore races. "We're at 6.9 Gs, there's salt water, the wind, flying in 6-foot seas. What makes it tough is when you're taking that kind of impact it's hard to read gauges. It's critical to have the data in the cloud for the chief to react to potential issues," says Captain Nigel Hook.

Speaker

Nigel Hook, DataSkill, Inc.

Industry

Not Industry Specific

IOT–3144: What's New with Watson IoT Platform Analytics: From Real-Time to Predictive to Cognitive

Sessions Internet of Things

Breakout Session

24 October 2016 , 05:00 PM – 05:45 PM

IoT is here, and you've got a lot of data (or you will soon)! You need a variety of analytics capabilities to act on data at the right place and time to gain insight and act in a timely manner. You need to process some data in real-time close to the source, build statistical models to predict failures for other types of data, and enrich it all with context from unstructured sources and cognitive analytics to improve insights. This session will introduce you to Watson IoT Platform Analytics and update you on the latest capabilities we are adding into the platform.

Speakers

Wayne Riley, IBM

Greg Knowles, IBM

Industry

Not Industry Specific

IOT–3171: Creating Intelligent Buildings with Smart Lighting, Sensors and Cloud Analytics

Sessions Internet of Things

Breakout Session

26 October 2016 , 04:00 PM – 04:45 PM

This talk will describe how PhotonStar Technology has created an innovative IoT system that creates a network of smart lighting, sensors, switches, relays, locks, heating control, automatic window shades and environmental information. The system generates a rich dataset of information in the cloud, describing many facets of how commercial spaces are utilized, controlled and maintained. This dataset is processed using the IBM Watson IoT Cloud platform; and, by applying cognitive analytics to the internet of buildings, this system will create much lower operating costs and a more productive work environment.

Speakers

Majd Zoorob, PhotonStar Technology Ltd

James McKenzie, PhotonStar Technology Ltd

Industry

Not Industry Specific

IOT–3267: How Johnson & Johnson is Making Medical Containers Smarter Using IBM Watson IoT and Bluemix

Sessions Internet of Things

Breakout Session

25 October 2016 , 05:00 PM – 05:45 PM

During transportation, the integrity of medicines and medical equipment must be preserved. In order to monitor key indicators in real-time (e.g., temperature, pressure, vibration, humidity), Johnson & Johnson partnered with Capgemini to create a smart container. The solution aggregates data from various sensors and analyzes it in real-time

for exceptions and tolerance violation. It also includes email notifications for exceptions/rule violations and dashboarding capabilities for various devices. Using IBM technology and Capgemini preconfigurations, the solution was developed in two weeks, including sensors. This validated the requirements, the technology stack and the industrialization potential.

Speakers

Avinash Vaidya, Capgemini

Aravinda Boyapati, Johnson & Johnson

Industry

Healthcare & Life Sciences

IOT–3282: Integrating IBM Watson IoT Platform and IBM Blockchain

Sessions Internet of Things

Hands-on Lab

27 October 2016 , 01:00 PM – 03:30 PM

In this hands-on lab, you will deploy smart contracts for IoT in IBM Blockchain, and connect MQTT devices to send IoT data to the blockchain using the IBM Watson IoT Platform. In an IoT context, data comes from "things" to private blockchain ledgers for inclusion in shared transactions with tamper-resistant records. Attend this lab and start creating a more efficient business network with the IBM Watson IoT Platform and IBM Blockchain.

Speakers

Rahul Gupta, IBM

Leucir Marin, IBM

Industry

Not Industry Specific

IOT–3644: IBM Watson IoT Platform: IBM's Platform for

the Internet of Things

Sessions Internet of Things

Breakout Session

26 October 2016 , 10:00 AM – 10:45 AM

IBM is bringing together the power of our cloud, analytics and ecosystem through the IBM Watson IoT Platform. This session will introduce you to the platform and show how you can connect, integrate, analyze and secure your Internet of Things data to create new value in your organization.

Speaker

Peter Crocker, IBM

Industry

Not Industry Specific

IOT–3668: Leverage Watson APIs in Your IoT Apps

Sessions Internet of Things

Ask Me Anything Demo Station

24 October 2016 , 01:00 PM – 03:00 PM

Create a sample IoT app on IBM Bluemix with simulated sensors—leverage Watson APIs to add cognitive capability to your IoT app.

Speaker

Gaya Magie, IBM

Industry

Not Industry Specific

IOT–3669: Visualize Your Sensor Data

Sessions Internet of Things

15 Min Hello World Lab

26 October 2016 , 08:00 AM – 11:00 AM

Learn to create a sample IoT app on IBM Bluemix with simulated sensors, and quickly add dashboards to visualize your sensor data.

Speaker

Gaya Magie, IBM

Industry

Not Industry Specific

IOT–3705: The Internet of Now: Connecting Businesses, Bots, Things and People

Sessions Internet of Things

Theater Session

26 October 2016 , 04:30 PM – 04:50 PM

2016 is set to be the year when the Internet of Things moves from future trend to business reality. Now that the IoT is here to stay, what is the recipe for success with Industry 4.0? From big ideas and small bots to policy shifts and standards, join us as IoT thought leaders share what they think the IoT can do for your business right now.

Speakers

Ryan Boyles, IBM

Tim Crawford, AVOA

Anne Ward, CircleClick

Tamara McCleary, Thulium

Mark Hopkins, Rodger Wilco Agency

Industry

Not Industry Specific

IOT–3755: Ask Me Anything about IoT and Connecting Devices

Sessions Internet of Things

Ask Me Anything Demo Station

25 October 2016 , 01:00 PM – 03:00 PM

This talk will show you how to connect everything to the Watson IOT platform, from a mouse trap to an air freshener. Please feel free to ask about IoT devices like Arduino, Blue Beacon, Pi or Docker images, and how you can use them with Bluemix to control things or get sensor data via the IoT. Or ask about Node-RED, Node.js and MQTT, and how you can use the data or orchestrate action based on sensor data. It will also show you how to create dashboards and visualize the data.

Speaker

Markus van Kempen, IBM

Industry

Not Industry Specific

IOT–3781: Water Conservation using Apache Edgent, Streaming Analytics and Weather Company Data

Sessions Internet of Things

Ask Me Anything Demo Station

26 October 2016 , 09:30 AM – 11:00 AM

Water scarcity is a pressing problem in the world right now. Many water systems are stressed due to overconsumption and inefficient irrigation systems. To alleviate this problem, many governments impose restrictions on water usage, which are difficult to enforce. To solve these problems, we have implemented a smarter and connected water irrigation system using Apache Edgent, Streaming Analytics and Weather Company data on Bluemix. This demo will show how you can run analytics on an edge devices like Raspberry Pi using Apache Edgent. We will also demonstrate how you can integrate edge device analytics with a centralized analytics system, using the IoT Platform, Watson Weather Company data and Streaming Analytics Service on Bluemix.

Speaker

Samantha Chan, IBM

Industry

Not Industry Specific

IOT–3800: IoT Device Events to Streaming Analytics in 15 Minutes with Bluemix

Sessions Internet of Things

15 Min Lightning Talk

24 October 2016 , 06:00 PM – 06:20 PM

See how easy is it to analyze data and events from devices using Apache Edgent, IBM Watson IoT Platform and IBM's Streaming Analytic Service, all running on Bluemix. This 15-minute demo shows how running Apache Edgent analytics at the edge can easily connect to IBM Watson IoT Platform on Bluemix, and then IBM's Bluemix Streaming Analytic Service can ingest those events from Watson IoT Platform. Once in the

Streaming Analytic Service, the full capabilities of IBM Streams can be used to analyze events from thousands to millions of devices, and control devices by sending commands back to individual devices based upon analytics.

Speaker

Dan Debrunner, IBM

Industry

Not Industry Specific

IOT–3900: Watson IoT Platform: What You Need to Know in 20 Minutes

Sessions Internet of Things

Theater Session

25 October 2016 , 02:30 PM – 02:50 PM

Come hear from the architects and offering team shaping the Watson IoT Platform as they explore the concepts on how the platform can be used on your IoT project.

Speakers

Greg Knowles, IBM

Peter Crocker, IBM

Industry

Not Industry Specific

IOT–4036: Cognitive Solutions for the Internet of Things

Sessions Internet of Things

Theater Session

24 October 2016 , 11:30 AM – 11:50 AM

With cognitive solutions for IoT, we are able to glean better intelligence and deeper insights. This enables us to efficiently manage, predict and avoid potential failures, outages or catastrophes—whether it is in an industrial workshop, a smart building, bins

in farms, a hospital or assisted living facility, or in a public safety context.

Speaker

Pradeep Muthalpuredathe, IBM

Industry

Not Industry Specific