APIs 101: Getting the basics down

10:00 - 12:00

This all-day workshop is dedicated to everything API in relation to Smart Home devices. Curated for the developers responsible for creating the best application software possible for their device, content will include topics such as determining what APIS are best for building your specific applications, what APIs can do for your product and customers, and using APIs as a Smart Home integration tool. What are APIs and why are they important to device development for the Smart Home ecosystem?

- How are APIs used? What can they do for your product? For your customers?
- What is the difference between Internal and External APIs and why is this important? Which is best for you?

Networking Lunch Break

12:00 - 13:00

Integrating Smart Home devices on your API of Choice

13:00 - 15:00

This all-day workshop is dedicated to everything API in relation to Smart Home devices. Curated for the developers responsible for creating the best application software possible for their device, content will include topics such as determining what APIS are best for building your specific applications, what APIs can do for your product and customers, and using APIs as a Smart Home integration tool. Creating actions, processing intents

- Implementing request sync and report state
- Test and submit action
- Error logging
- Two-factor authentication
- Touch controls

SCHEDULE
DAY 1 WORKSHOP - 18/11/2019

TIME
10:00
11:00
12:00
13:00

SESSIONS

DAY 2 CONFERENCE TRACKS: MARKET LANDSCAPE & TECHNICAL CHALLENGES - 19/11/2019

Analyst Breakfast Briefings

08:00 - 08:45
Track 1: Market Landscape

Join our leading industry analysts for coffee and pastries and take part in roundtable discussions of their findings for some of the leading topics in the Smart Home arena.

Analyst Breakfast Briefings

08:00 - 08:45
Track 2: Technical Challenges

Join our leading industry analysts for coffee and pastries and take part in roundtable discussions of their findings for some of the leading topics in the Smart Home arena.

Chairman's Opening Remarks

08:50 - 09:00
Track 1: Market Landscape

Chairman's Opening Remarks

08:50 - 09:00
Track 2: Technical Challenges

Keynote - How one little device can have a global impact on how we live

09:00 - 09:30
Track 1: Market Landscape

- Phyn's sensor was designed to detect water leaks – just leaks.
- It has evolved into a device that can have an impact on the way the world consumes one of its most critical and precious resources: water.
- As we move forward in an era of droughts, fires, and contamination, the way water is managed will have an impact on the quality of life for everyone.
- This discussion will chart the progress of Phyn and how one little sensor has changed consumer behaviors, built confidence and trust in functionality and generated data, and become a robust product that is making a positive impact

Winner of the Best Consumer IoT Solution at the IoT World 2019 Awards!

Participants

Speaker: Mariel Devesa - Global Head of Business Development, Phyn

Keynote - How one little device can have a global impact on how we live

09:00 - 09:30
Track 2: Technical Challenges

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Keynote - Becoming More Human – How AI is critical to the continued advancement of truly "smart" homes

09:30 - 09:50
Track 1: Market Landscape

- AI is the key to creating smart homes that interact with home owners on a truly 'human' scale
- The continued development of different types of AI (ML, DL, NLP, etc) allows the connected home to 'learn' how its humans live and can help it become a seamless member of the family

Keynote - Becoming More Human – How AI is critical to the continued advancement of truly "smart" homes

09:30 - 09:50
Track 2: Technical Challenges

- AI is the key to creating smart homes that interact with home owners on a truly 'human' scale
- The continued development of different types of AI (ML, DL, NLP, etc) allows the connected home to 'learn' how its humans live and can help it become a seamless member of the family

Keynote Panel - Removing chronic roadblocks to adoption by solving interoperability issues

09:50 - 10:30
Track 1: Market Landscape

- Frustration of trying to set up technologies, living with devices that don't work together
- Risk of killing the market because the emphasis primarily is on getting connected devices out there rather than making certain they work properly/ seamlessly
- There are home automation systems that provide a well-integrated app experience but they limit the ability to add off-brand devices
- The limited ability to coordinate sensors & devices from anywhere/anytime limits the ability to achieve true home automation
- How do we solve for this? Are there solutions already on the market? If not, what is the first step toward cracking the interoperability roadblock?

Participants

Panelist: Christian Taubman - Director Smart Home Verticals, Amazon

Panelist: Luis Zamudio - Research Analyst, Euromonitor International

Keynote Panel - Removing chronic roadblocks to adoption by solving interoperability issues

09:50 - 10:30
Track 2: Technical Challenges

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Networking Coffee Break

10:30 - 11:10
Track 1: Market Landscape

Networking Coffee Break

10:30 - 11:10
Track 2: Technical Challenges

SESSIONS

DAY 2 CONFERENCE TRACKS: MARKET LANDSCAPE & TECHNICAL CHALLENGES - 19/11/2019

Chairman's Opening Remarks

11:10 - 11:20
Track 1: Market Landscape

Chairman's Opening Remarks

11:10 - 11:20
Track 2: Technical Challenges

Fireside Chat: Smart Home's 3 Achilles' Heels & Why Consumers Hold the Solution

11:20 - 11:50
Track 1: Market Landscape

For all the new technology and capabilities, the smart home market continues to suffer from the same three recurring weaknesses. Vendors continue to push shiny "smart" objects to lukewarm consumers, but adoption plateaus as novelty wears thin. This Fireside Chat will identify where and why Vendor vs Consumer perspectives have fallen out of alignment and exactly what to do about it.

Participants

Moderator: Jessica Groopman - Industry Analyst & Founding Partner, Kaleido Insights

Panelist: Carl Vogel - Product Manager, Google

Preventing Hack Opportunities in Smart Homes

11:20 - 11:40
Track 2: Technical Challenges

- Automation Server (alexa, etc) can become compromised through improperly installed devices, improper IT security protocols, passwords management, etc.
- This allows for the logic or rules of the Automation Server to be changed/manipulated from their original purpose
- All of this can happen without the homeowner's knowledge
- What are the technologies that can help prevent opportunities for compromising the cyber security of a smart home?

Conversational AI delivering services beyond traditional security offerings

11:40 - 12:00
Track 2: Technical Challenges

- Conversational AI and interoperability are the key to the core of smart home evolution

Participants

Speaker: Arsham Hatambeiki - Senior Vice President, Product & Technology, Universal Electronics Inc.

The undeniable value of Smart Home-generated Data

11:50 - 12:10
Track 1: Market Landscape

- The information generated by connected lifestyles is the most valuable aspect of Smart Home
- How do all the players in the market utilize that data in a way that generates revenue streams but also is acceptable to consumers?
- How and when do you communicate your intentions?

PANEL: Devising and adopting Security Standards for the Smart Home Ecosystem

12:00 - 12:40
Track 2: Technical Challenges

- Is it possible to create a set of security standards and protocols for the entire Smart Home market?
- What would they be? How do we determine what should be standardized?
- If cybersecurity standards are created, how do they adapt as the market moves forward?

Participants

Panelist: Jeff Wilbur - Technical Director, Online Trust Alliance

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PANEL: To build or to buy?

12:10 - 12:40
Track 1: Market Landscape

- When does it make more sense to develop solutions internally to solve issues that are interfering with getting your device to market and successfully adopted?
- When should you collaborate or acquire?
- How does the wrong choice impact the potential of your device?

Participants

Panelist: Lew Brown - Partner, bluesalve partners

Panelist: Kent Dickson - CEO and Co-Founder, Yonomi

Networking Lunch Break

12:40 - 13:40
Track 1: Market Landscape

Networking Lunch Break

12:40 - 13:40
Track 2: Technical Challenges

Creating technologies that disappear into the fabric of homes

13:40 - 14:00
Track 1: Market Landscape

- Defeating the interoperability issue once and for all
- Cybersecurity that does the job
- Creating a seamless experience that augments life rather than cluttering it up

Participants

Speaker: Colin Billings - Founder and CEO, Orro

Robotics in the smart home – moving beyond vacuums

13:40 - 14:00
Track 2: Technical Challenges

- Robots that are more interactive directly with humans beyond entertainment value
- Robots that perform complex tasks

Using the right cloud-based solutions to get your devices to market

14:00 - 14:20
Track 1: Market Landscape

- There are many SaaS models available that can be utilized to get your device market ready and quickly adopted by consumers
- How do you determine what is right for yours?

Designing AI for the correct purpose

14:00 - 14:20
Track 2: Technical Challenges

- The importance of understanding what sort of intelligence your device should have – what do you want it to do?
- Not every device needs NLP or DL. For those that do, how should it evolve as it 'learns' from its humans?
- What is the role that different forms of AI play in achieving true home automation?

Disruption through partnership: when Devices, Insurers, and Smart Homes Unite

14:20 - 14:40
Track 1: Market Landscape

- Smart Home technologies that can be used to protect property and avoid disasters
- The impact that has on the Insurance Industry
- How that rolls out to the Consumer market and creates a win for everyone

Participants

Speaker: Daniel Turgel - CEO and Founder, SmartInsure

The Future of Home Entertainment: Connecting Disparate Voice Platforms for Seamless Control

14:20 - 14:40
Track 2: Technical Challenges

- Bridging voice ecosystems so they work together effortlessly is a major challenge
- Audio/Visual Receivers combined with AI technology is a solution for the fragmented voice market, allowing for more seamless control of smart home entertainment

Participants

Speaker: Brendon Stead - SVP Product Development and Engineering, Sound United

Q&A session with our speakers

14:40 - 15:00
Track 1: Market Landscape

Additional time and space for questions that went unasked earlier in the day.

Q&A session with our speakers

14:40 - 15:00
Track 2: Technical Challenges

Additional time and space for questions that went unasked earlier in the day

Networking Afternoon Coffee Break

15:00 - 16:00
Track 1: Market Landscape

Networking Afternoon Coffee Break

15:00 - 16:00
Track 2: Technical Challenges

The toolkit to drive the Smart Home Market and take over the space

16:00 - 16:20
Track 1: Market Landscape

- Building a logical smart home rather than a mess of separate technologies
- Utilizing data from home usage, supply chain analysis, consumer feedback, and purchasing habits
- Business models that are positioned to move things forward

Participants

Speaker: Alec Wright - Chief Innovation Officer, GSVlabs

Can 5G unseat the top wireless connectors from the throne?

16:00 - 16:20
Track 2: Technical Challenges

- Using 5G to allow devices to connect directly to the internet – rather than through WiFi
- Can solve issues with WiFi range, latencies, etc
- More stable and secure network to meet energy-saving requirements in battery-powered IoT devices – but NOT consumer-installed replaceable batteries
- Gets around proprietary networks, device incompatibility, and allows direct communication between devices
- What is preventing a 5G revolution in Smart Home?

PANEL: End-to-end IT services for smart homes – a new opportunity for market expansion and partnership

16:20 - 17:00
Track 1: Market Landscape

- Subscriptions
- IT support for homes
- Repair, replacement, renewal costs for devices can be managed through third parties rather than becoming a burden for consumers

PANEL: Low Power wireless solutions in the Smart Home market

16:20 - 17:00
Track 2: Technical Challenges

The variety of ways they are moving the market forward (connectivity, batteries, etc)

Participants

Panelist: Marta Soncodi - Director, IoT Technology & Technical Architect, Telecommunications Industry Association (TIA)

End of Day 2 Networking Reception

17:00 - 18:00
Track 1: Market Landscape

End of Day 2 Networking Reception

17:00 - 18:00
Track 2: Technical Challenges

SCHEDULE

DAY 2 CONFERENCE TRACKS: MARKET LANDSCAPE & TECHNICAL CHALLENGES - 19/11/2019

TIME	TRACK 1: MARKET LANDSCAPE	TRACK 2: TECHNICAL CHALLENGES
08:00	**08:00** - Analyst Breakfast Briefings **08:50** - Chairman's Opening Remarks	**08:00** - Analyst Breakfast Briefings **08:50** - Chairman's Opening Remarks
09:00	**09:00** - Keynote - How one little device can have a global impact on how we live **09:30** - Keynote - Becoming More Human – How AI is critical to the continued advancement of truly "smart" homes **09:50** - Keynote Panel - Removing chronic roadblocks to adoption by solving interoperability issues	**09:00** - Keynote - How one little device can have a global impact on how we live **09:30** - Keynote - Becoming More Human – How AI is critical to the continued advancement of truly "smart" homes **09:50** - Keynote Panel - Removing chronic roadblocks to adoption by solving interoperability issues
10:00	**10:30** - Networking Coffee Break	**10:30** - Networking Coffee Break
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12:00	**12:10** - PANEL: To build or to buy? **12:40** - Networking Lunch Break	**12:00** - PANEL: Devising and adopting Security Standards for the Smart Home Ecosystem **12:40** - Networking Lunch Break
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17:00	**17:00** - End of Day 2 Networking Reception	**17:00** - End of Day 2 Networking Reception

SESSIONS

DAY 3: THE FUTURE OF SMART LIVING: THE CONVERGENCE OF CONNECTEDNESS, ADAPTABILITY, AND LONGEVITY - 20/11/2019

Smart Home
Summit

November 18 - 20, 2019
The Hilton San Francisco
Airport Bayfront

Analyst Breakfast Briefings

08:00 - 08:50
Track 1: Market Landscape

Join our leading industry analysts for coffee and pastries and take part in roundtable discussions of their findings for some of the leading topics in the Smart Home arena.

Analyst Breakfast Briefings

08:00 - 08:50
Track 2: Technical Challenges

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Chairman's Opening Remarks

09:00 - 09:10
Track 1: Market Landscape

Chairman's Opening Remarks

09:00 - 09:10
Track 2: Technical Challenges

Keynote - Current technologies with the potential to impact the future

09:10 - 09:30
Track 1: Market Landscape

- Which technologies are proving themselves and have the potential for continuing to be adopted well into the future?
- Which areas are untapped and wide open for development?

Keynote - Current technologies with the potential to impact the future

09:10 - 09:30
Track 2: Technical Challenges

- Which technologies are proving themselves and have the potential for continuing to be adopted well into the future?
- Which areas are untapped and wide open for development?

Keynote - AI of the Future

09:30 - 09:50
Track 1: Market Landscape

Achieving true home automation that is secure with the ability to integrate more closely into smart cities will be impossible without advances in Artificial Intelligence. What are they and how do we get there?

Keynote - AI of the Future

09:30 - 09:50
Track 2: Technical Challenges

Achieving true home automation that is secure with the ability to integrate more closely into smart cities will be impossible without advances in Artificial Intelligence. What are they and how do we get there?

Keynote Panel - How important is intelligent edge computing to the future of Smart Home?

09:50 - 10:30
Track 1: Market Landscape

- Using smart home platforms to mediate smoothly between edge systems & devices and the IoT Cloud
- Utilizing edge computing to provide security and management capabilities beyond what individual devices can deliver on their own
- Turning over the management of 'subsystems' groups to smart home platforms (thermostats, HVAC, ceiling fans, blinds, lighting, etc) to allow for a more complete sense of automation

Keynote Panel - How important is intelligent edge computing to the future of Smart Home?

09:50 - 10:30
Track 2: Technical Challenges

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- Turning over the management of 'subsystems' groups to smart home platforms (thermostats, HVAC, ceiling fans, blinds, lighting, etc) to allow for a more complete sense of automation

Networking Coffee Break

10:30 - 11:30
Track 1: Market Landscape

Networking Coffee Break

10:30 - 11:30
Track 2: Technical Challenges

Chairman's Opening Remarks

11:30 - 11:40
Track 1: Market Landscape

Chairman's Opening Remarks

11:30 - 11:40
Track 2: Technical Challenges

Health at home

11:40 - 12:00
Track 1: Market Landscape

- Wearables for daily monitoring, post-health incident monitoring, etc
- Sensors and devices that monitor in real-time and provide alerts

Participants

Moderator: Sharon Profis - Executive Editor, CNET at CBS Interactive

Designing for technical longevity

11:40 - 12:00
Track 2: Technical Challenges

- Homes are already functional and full of appliances and devices that have a long shelf-life
- In order to encourage consumers to adopt big-ticket 'smart' items, they must do more than connect to a home assistant and send an alert when the laundry is done
- True technical advancement must incorporate physical robustness and longevity

PANEL: What does 'longevity' mean for connected living?

12:00 - 12:40
Track 1: Market Landscape

- Are we referring to adaptability of the physical space? To the technologies themselves?
- Who is impacted by longevity in the connected living space?
- What can we do now to create longevity for smart homes?

PANEL: What needs to happen to move from smart homes to smart neighborhoods and on to smart cities?

12:00 - 12:40
Track 2: Technical Challenges

- Where do these areas converge?
- Is it a good idea to have wholly integrated smart communities?
- What are the anticipated pitfalls if this happens?

Participants

Panelist: Syed Zaeem Hosain - Chairman, IoT M2M Council

Networking Lunch Break

12:40 - 13:40
Track 1: Market Landscape

SESSIONS

DAY 3: THE FUTURE OF SMART LIVING: THE CONVERGENCE OF CONNECTEDNESS, ADAPTABILITY, AND LONGEVITY - 20/11/2019

Smart Home Summit

November 18 - 20, 2019
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Airport Bayfront

Networking Lunch Break

12:40 - 13:40
Track 2: Technical Challenges

Lighting as a gateway to true automation

13:40 - 14:00
Track 1: Market Landscape

- Lighting allows consumers to do more than control brightness, set a mood, or create a sense of security
- Can be used to automate schedules and routines based on the way we live
- It is a way to add convenience, wellness and security smoothly and automatically into a lifestyle

Participants

Speaker: Paul Williams - GM Product Management & Growth, GE Lighting

Using Smart Metering as a gateway to connecting smart homes to smart grids

13:40 - 14:00
Track 2: Technical Challenges

PANEL: Aging in place – what does that mean and how do we do it?

14:00 - 14:40
Track 1: Market Landscape

- Maintaining independent living through augmentation (sensors, devices, etc)
- Creating connected homes that change with the stages of our lives

Participants

Panelist: Jaya Rao - COO & Co-Founder, Molekule

Panelist: Marcus Rohlfs - Director of Technology Scouting, State Farm

PANEL: Achieving true automation – an impossible dream?

14:00 - 14:40
Track 2: Technical Challenges

- What is meant by "true automation"?
- Interoperability
- Robotics
- Smart homes that 'learn' and become part of the family
- Connectivity beyond the physical home

Startup Showcase

14:40 - 15:00
Track 1: Market Landscape

Smart Home-focused startups will have 5 minutes to showcase their products before the conference audience.

Q&A Wrap-up Session, Open Discussion

14:40 - 15:00
Track 2: Technical Challenges

Additional time and space for questions that went unasked earlier in the day.

Networking Coffee Break

15:00 - 15:30
Track 1: Market Landscape

Networking Coffee Break

15:00 - 15:30
Track 2: Technical Challenges

Smart Home Ecosystem Collaborative Problem-Solving Roundtables

15:30 - 16:30

Partner up with your fellow members of the Smart Home Ecosystem to tackle the issues we've discussed over the last 2 days and begin the process of solving the potential roadblocks to a truly connected and automated future way of living, today! Partner up with your fellow members of the Smart Home Ecosystem to tackle the issues we've discussed over the last 2 days and begin the process of solving the potential roadblocks to a truly connected and automated future way of living, today!

SCHEDULE

DAY 3: THE FUTURE OF SMART LIVING: THE CONVERGENCE OF CONNECTEDNESS, ADAPTABILITY, AND LONGEVITY - 20/11/2019

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