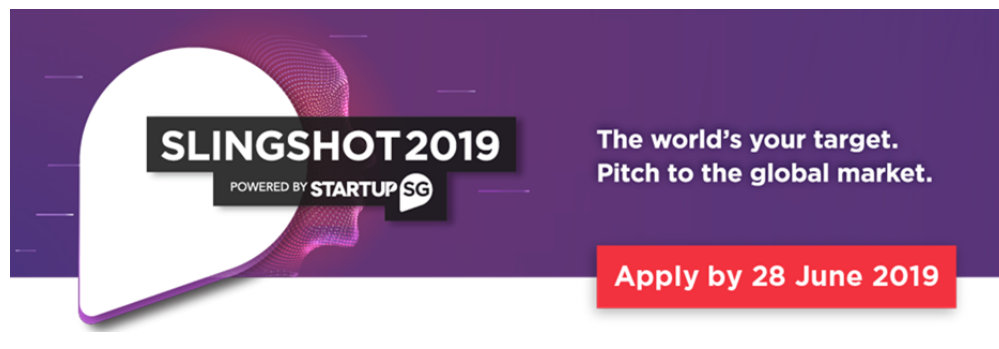




**Driving the Next Startup Wave**



**The deadline to apply for the 2019 | SWITCH  
Slingshot Competition is 28 June.**



## 2019 | IEEE VICS

The 2019 edition of the IEEE Vision, Innovation, and Challenges Summit ([IEEE VICS](#)) was held Friday, 17 May 2019, at the Marriott Marquis San Diego Marina in San Diego, CA, USA. VICS 2019 gathered leading technology innovators, visionaries, and disruptors to share insights on emerging technologies and discuss their impacts on humanity's future.

The day culminated with the annual [IEEE Honors Ceremony Gala](#), dubbed "The Oscars of Engineering," which recognizes outstanding innovators for extraordinary achievements



in electrical, electronics, communications, environmental, and safety technologies, computer science and engineering, engineering education, and the allied branches of engineering and related arts and sciences. VICS 2019 received additional highlight through the presence of IEEE leadership and members, distinguished speakers and panelists. The event was live-streamed on [IEEE.tv](#) for the entire

IEEE membership all over the world.

Colin Curtin and Subodha Charles from the IEEE Entrepreneurship Steering Committee attended VICS 2019 with the goal of networking and expanding our partner organizations to deliver programs with more value to our members. The event was also an ideal platform to exchange ideas among a wide spectrum of IEEE Organizational Units and explore potential collaborations. The Honors Ceremony Gala was also a special occasion for IEEE Entrepreneurship as Steering Committee member Mario Milicevic, was awarded with the IEEE Theodore W. Hissey Outstanding Young Professional Award for his contributions to the technical fields of error correction and quantum cryptography, engineering education, and the IEEE member experience.

## Methane Continues to Rise to Dangerous Levels



Global methane levels have been unexpectedly rising since 2007. Until this day the scientific community at large has been unable to determine the exact cause. In mid-May, Colorado US Representative, Diana DeGette, introduced the Methane Waste Prevention Act. The bill is a modification of the Bureau of Land Management's Methane Waste Prevention Rule and the Environmental Protection Agency's New Source Performance Standards for the Oil and Natural Gas Industry which were both implemented during the Obama administration, to offset and regulate the amount of methane being admitted on US soil. [Read More](#).

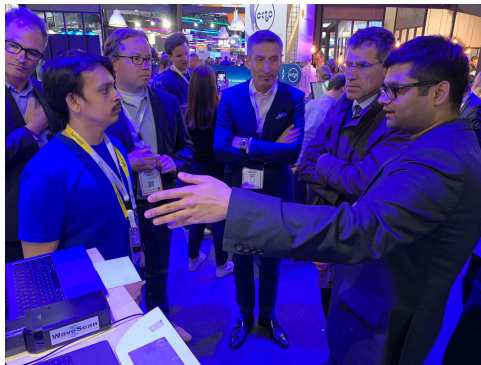
Many have wondered if methane has been increasing since 2007, why is it all of a sudden getting so much attention. The Bank of Canada, the financial institution that creates a safe and stable monetary policy for all of Canada, has just deemed global climate change a financial vulnerability. [Read More](#). Methane contributes to global warming. It contributes to a fourth of the total atmospheric warming. To fully understand the impact methane a comparison can be made to carbon dioxide, as studies show that it traps 86 percent more heat. This is alarming when there are many theories swirling over why it has been increasing. [Read More](#).

To combat this growing crisis, the California Energy Commission has given a US\$6 Million dollar grant to Berkley Lab to try to determine "super emitters" of methane. Berkley Labs has sought out the help of 2017 IEEE N3XT Star [Bluefield](#),

who recently enhanced their radiometric and geometric calibration algorithms which enables detection of smaller emitters and with greater certainty. The other notable and prestigious collaborators include: [Stanford University](#), [UC Riverside](#), the [Central California Asthma Collaborative](#), and Scientific [Aviation](#). Super eMitters of Methane detection using Aircraft, Towers, and Intensive Observational Network (SUMMATION) will utilize a “tier approach” which allots for several different approaches and scales for data collection. If the sources of methane can be quantified then it may be possible to determine the cause of the overall increase. [Read More](#).

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## WaveScan Wins the VINCI Challenge at VIVATECH 2019



[VivaTech](#) is considered one of the world’s largest rendezvous events for startups and leaders to celebrate innovation. It’s a yearly gathering in Paris of more than over 120K attendees including over 12K startups and 3.5K investors as well as some of the world’s brightest minds, talents, and innovative products.

This year, [WaveScan](#), led by our [IEEE Singapore and IEEE Entrepreneurship](#) volunteer [Kush Agarwal](#), participated in VivaTech at the invitation of [VINCI](#), under one of their challenges. Each year, several French technology companies such as Engie, Orange, Sodexo, Thales, VINCI, etc. organize Challenge Labs and/or Competitions as part of VivaTech to scout & shortlist worldwide startups building disruptive technologies suitable for their portfolio businesses.

WaveScan’s smart building NDT inspection and predictive maintenance solution has been supported by [Singapore Green Building Council](#). As part of the challenge award, WaveScan is in discussions with various VINCI subsidiaries like [VINCI Construction](#), [VINCI Facilities](#), and [Axians](#) to start piloting their inspection technology at VINCI’s ongoing projects in Europe.

What’s next for WaveScan?

WaveScan is currently in discussions for their seed round funding. One of their main goals for 2019 is building the core team of scientists and engineers. They have already secured large scale paid pilot projects in Singapore, and are currently in discussions with stakeholders in China, Japan, and France.

Find out more about [WaveScan Technologies](#).

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Entrepreneurs don't just start new businesses—they nourish ideas that can change the world. IEEE Entrepreneurship community participants\* can now access valuable business benefits from Amazon Web Services to reduce costs and drive efficiencies.

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\*IEEE member number required

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IEEE Entrepreneurship

IEEE

IEEE Entrepreneurship provides a voice and resource across the depth and breath of IEEE's many communities for engineering-driven startups, aspiring founders, and those in the greater ecosystem supporting new company development. IEEE Entrepreneurship seeks to foster the entrepreneurship spirit of our members by accessing resources to help bring concepts to life and facilitating connections that lead to successful partnerships. The Amazon Web Services Activate program is now available as one of those resources for our members.

## Do You Want to Win IEEE Swag?

If so, all you have to do is share the June IEEE Entrepreneurship Newsletter with as many people as you can on [LinkedIn](#). The person who shares the highest number wins!

## Upcoming Community Events

*Events with a strong technology focus that overlap with IEEE's field of interest*

### **EMPOWER A BILLION LIVES**

BALTIMORE, MARYLAND, USA

19 September 2019

Introducing IEEE Empower a Billion Lives IEEE Empower a Billion Lives is a global competition aimed at fostering innovation to develop solutions to electricity access. Solutions are expected to be...

### **THE ELEVENTH ANNUAL ENERGY CONVERSION CONGRESS AND EXPOSITION [ECCE 2019]**

BALTIMORE, MARYLAND, USA

29 September 2019

The five day conference will be held in Baltimore, Maryland, USA on September 29 – October 3, 2019. ECCE is the pivotal international conference and exposition event on electrical and...

### **IEEE 5G WORLD FORUM | DRESDEN**

DRESDEN, GERMANY

30 September 2019

Paper Submissions due April 15 The 2019 IEEE 2nd 5G World Forum (5GWF'19) in

Dresden, Germany, seeks contributions on how to nurture and cultivate 5G technologies and applications for the...

**2019 IEEE 60TH INTERNATIONAL SCIENTIFIC CONFERENCE  
ON POWER AND ELECTRICAL ENGINEERING OF RIGA  
TECHNICAL UNIVERSITY (RTUCON)**

RIGA, LATVIA

7 October 2019

Intention of the organizers is to give an opportunity to scientists, engineers and manufacturers as well as to doctoral students from all over the world to meet and discuss recent...

**2019 IEEE FRONTIERS IN EDUCATION CONFERENCE (FIE)**

CINCINNATI, OHIO, USA

16 October 2019

The 49th Annual Frontiers in Education (FIE) Conference is a major international conference focusing on educational innovations and research in engineering and computing education. We welcome submissions related to educational...

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[startup.ieee.org](http://startup.ieee.org)**

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You've been identified as someone who is interested in IEEE activity related to entrepreneurship either through your IEEE member profile, attendance at an IEEE event, and/or a sign-up on an IEEE startup related activity.

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