IEEE
VISION | INNOVATION
CHALLENGES
SUMMIT

An IEEE Summit and Honors Ceremony

2018 Highlights

11 May 2018
The Palace Hotel
San Francisco, Calif.

2018 IEEE VIC Summit

The IEEE VIC Summit brings together leading innovators, visionaries, and disruptors in technology to discuss, explore, and uncover what is imminent, what is possible – and what these emerging technologies mean for our future.

This event provides a unique opportunity to connect with, learn from, and build partnerships with some of the technology "Giants" in the world, including top innovators and disruptors.

The summit culminates with an evening's festivities that will include the celebration of the contributions of some of the greatest minds of our time who have made a lasting impact on society for the benefit of humanity.

2018 IEEE VIC Summit Action Packed Agenda

Keynote Speaker
New Immersive Mediums – the Search for Egg Yolk
Todd Richmond, Director, Mixed Reality Lab/Studio, USC

This session described areas related to emerging disruptive technologies and their implications, and the challenges that humans will face in an increasing virtual world and how we may need to adapt our institutions and environment to have optimum communication and collaboration in the future.

Speaker
Physical Stimulation and Machine Learning
Mark Meyer, Senior Scientist, Pixar Research Group Pixar

This session discussed how physically based simulations and machine learning can be used to manipulate our emotional responses to movies.

Brent Lunceford
Master of Ceremonies

James Jefferies
IEEE President & CEO

2018 IEEE VIC Summit Showcase Panel: Robotics & AI

Panel Speakers

Robots on the Rise: The Future of Robotics and AI

Moderator:Oussama Khatib, Professor, Stanford University, with Cynthia Breazeal, Associate Prof. at MIT & Founder and Chief Scientist of Jibo, Inc.; Eric Krotkov, COO at Toyota Research Institute; Grant Imahara, TV Host and Disney Consultant; and Marc Raibert, Boston Dynamics

These robotic experts each provided presentations detailing their experiences in the field of Robotics and AI, and the progression of, and future of industrial, humanoid, and social robots.
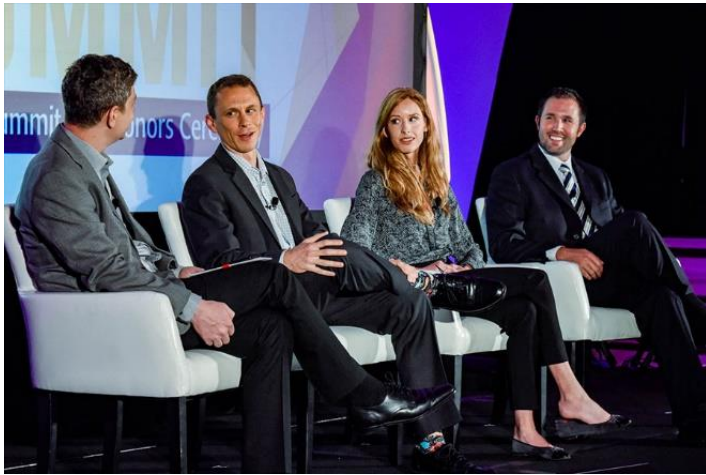

Boston Dynamics' SPOTMINI DEMO

Attendees were delighted and entertained by Boston Dynamics' SpotMini. This four-legged dog made an appearance during the panel session discussion, and then a SpotMini demonstration took place immediately following. This nimble robot handles objects, climbs stairs, and will operate in offices, homes and outdoors.

2018 IEEE VIC Summit Panel Discussions

Panel Speakers
Social Impact and the Role of Engineers in Today's Society
Moderator: Matthew Fiedler, Co-founder, re:3D; with Ryan Cousins, cofounder and CEO of krtkl inc.; Kevin Noetker, Co-founder and CEO, Ampaire; Veronica Osinski, Entrepreneur, & Founder and Managing Partner, Trifecta Capital

This session focused on the fast-growing business of start-ups, the technology, their social impact, and the future role of engineering – and and challenges to overcome from the perspective of young entrepreneurs and investors.

Panel Speakers
The New Gene Therapy: CRISPR-Cas9 and the Future of Medicine
Moderator: Glenn Zorpette, Executive Editor, IEEE Spectrum; with John Tisdale, NIH, and Bruce Conklin, USCF

These panelists discussed the immense promise of the gene-editing technique—and disconcerting potential for misuse—of CRISPR-Cas9 with two biomedical researchers on the forefront of efforts to apply the technology to the eradication of disease. John Tisdale, of the National Institutes of Health, and Bruce Conklin, of the University of California San Francisco, shared their experiences and insights and describe how this remarkable new technology could transform medicine and potentially even lengthen the human lifespan.

IEEE Honors Ceremony Recognizing Legends and Leaders in Technology
IEEE's Most Prestigious Awards Show

2018 IEEE Honorees

Brad Parkinson
IEEE Medal of Honor Recipient
IEEE's highest-level Award
Recognized for developing GPS Technology

Heinz Stoewer
IEEE Simon Ramo Medal Recipient
Recognized for leadership in space systems engineering (Int'l Space Station)

Delores Etter
IEEE James H. Mulligan, Jr. Education Medal Recipient
Recognized for transformative computer and programming textbooks for undergrad teaching

IEEE Honors Ceremony
Recognizing Legends and Leaders
in Technology
Spotlight

Narayana Murthy
Founder of Infosys
IEEE Founders Medal Recipient
Recognized for progress through tech. and advancing corporate ethics and social responsibility

Alastair Westgarth
CEO, Loon
IEEE Spectrum Service in Tech. of Society Award
Recognized for providing internet connections to remote areas and locations affected by natural disasters using high-altitude balloons

Nambi Seshadri
UC, San Diego Professor
IEEE Alexander Graham Bell Medal Recipient
Recognized for pioneering research impacting generations of mobile and wireless communications

Loretta Arellano
Former Sr. Eng Mgr, Raytheon
IEEE Haraden Pratt Award
Recognized for leading efforts within IEEE to advance technology for the benefit of humanity

2018 IEEE VIC Summit and Honors Ceremony