

IEEE VISION | INNOVATION CHALLENGES SUMMIT

An IEEE Summit & Honors Ceremony

Inspiring Talks
Engaging Conversations
Unbeatable Networking

17 May 2019, The Marriott Marquis, San Diego



WELCOME

The IEEE Vision, Innovation, and Challenges Summit & Honors Ceremony hosts inspiring talks and engaging conversations

We welcome you to join us for the 2019 IEEE Vision, Innovation, and Challenges Summit (IEEE VIC Summit) and Honors Ceremony Gala.

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. The Summit culminates with the **IEEE Honors Ceremony Gala**—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.

We would like to acknowledge all of this year's speakers, panelists, and well-qualified award nominees—the diverse array of educators, engineers, scientists, innovators, visionaries, leaders, entrepreneurs, and practitioners who exemplify the mission of the IEEE of advancing technology for the benefit of humanity.

Join us on 17 May at the Marriott Marquis in San Diego

See you there,

Jose Manuel Fonseca de Moura

IEEE President & CEO
José M.F. Moura

Richard V. Cox

IEEE Awards Board Chair
Richard V. Cox

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About IEEE

IEEE is the **world's largest technical professional organization** dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

There are more than **423,000 IEEE Members—and 117,000+ Student Members—in over 160 countries around the world**. IEEE members are engineers, scientists, and allied professionals whose technical interests are rooted in electrical and computer sciences, engineering, and related disciplines.

WHO ATTENDS

400+ attendees. Network with decision makers and innovators from diverse disciplines that range from Communications, Computer-Related Technology, Robotics, Managerial Leadership, Emerging Technologies, Start-Up Ventures, Devices, Microelectronics, Photonics, Power and Energy Systems, Industrial Technologies, and Education. Connect with a diverse array of fields and expertise.



A Broad Cross-Section of the Technology Community

Countries:

- | | |
|-----------|-----------------|
| Austria | Mexico |
| Canada | The Netherlands |
| Finland | Poland |
| France | Sweden |
| Germany | Switzerland |
| Hong Kong | Turkey |
| India | Tunisia |
| Japan | U.S.A. |
| Jordan | |



C-Level

Mid-Career Professionals

Young Professionals, Students & Consultants

Professors & Academics

Universities:

- Auburn University
- Caltech
- Dartmouth
- Loyola Marymount University
- MIT
- NY Institute of Tech
San Francisco
- University San Jose
- University Santa Clara
- Stanford University
- Tokyo Institute of Technology
- UC Berkeley
- UC Davis
- UC Santa Cruz

Companies:

- | | |
|-------------------|------------------|
| Apple | Nokia Bell Labs |
| ASML | Northrop Grumman |
| Applied Materials | Pixar |
| Boston Dynamics | Qualcomm |
| Facebook | Toyota Research |
| Google | |
| Hitachi | |
| HP | |
| IBM | |
| Intel | |
| Lockheed Martin | |
| MathWorks | |
| Microsoft | |

WHY ATTEND

The Agenda: World-class presenters deep diving into the most crucial areas of technology to understand the latest trends from industry leaders.

Networking: The unique opportunity to connect with and learn from some of the technology "Giants" in the world, including top innovators, disruptors, and IEEE award recipients in an intimate setting. Connect with peers to exchange experiences & build partnerships.

Mentoring Program: This program is designed to help young professionals and students expand their professional networks while at the conference, gain personalized career insights, and receive guidance from senior professionals in their field of expertise.

Be a part of the conversation: There is power being connected to other people who are active in your field in an intimate face-to-face setting. The event will assemble some of today's most accomplished top tech advisors and entrepreneurs to talk about how they achieved what they did and explore what is coming in the future.

A Live Experience: Build partnerships, find mentors, and collaborate with your peers. See demos of the latest industrial, personal and recreational robotics.

Be inspired: Be empowered, revive your passion in your field of interest, and learn in a synergistic environment.

Testimonials

Inspiring, visionary,
engaging...

"This was the most inspirational, thought-provoking event that I've attended in my career. This event brought together hundreds of like-minded, business-focused visionaries from all over the world that had a vision, and their persistence and belief in their mission changed the world to better mankind. Truly inspirational."

"It was stimulating, interesting and entertaining, a rare combination!"

"I really enjoyed the hot topics discussed, and the presentations were very engaging."

AGENDA OVERVIEW

17 May IEEE VIC Summit and Honors Ceremony

- 7:30 AM** **Registration Opens for the IEEE VIC Summit** (*Marriott Grand Ballroom West Registration*)
- 7:30-9 AM** **Breakfast** (*Marriott Grand Ballroom Terrace*)
- 9:00 AM** **Welcome Remarks** (*All sessions in the MGB 8 & 9*)
José M.F. Moura, IEEE President, and Master of Ceremonies, Mike North.
- 9:15 AM** **Master of Ceremonies**
Mike North, Host & Producer on Discovery Channel
- 9:30 AM** **Keynote Speaker**
Telle Whitney, Former CEO Anita Borg Institute, Consultant & Board Member, Palo Alto, CA, USA
- 10:15 AM** **Break** (*Foyer*)
- 10:30 AM** **Panel: IOT—Smart Networks and Social Innovations**
Moderator: Sandra Baer, President, Personal Cities;
with Avideh Zakhor, Creator of Google Earth & Prof. at Berkeley; Fawzi Behmann, President, TelNet Management Consulting, Inc.; Irene Hu, Hardware Electronics Engineer at Biobot Analytics
- 11:30 AM** **Risks Imposed by IoT**
Kayne McGladrey, Director of Security and IT with Pensar Development
- 12:00PM** **Lunch & Networking** (*MGB Terrace*)
- 1:30 PM** **Welcome Back**
with MC Mike North
- 1:45 PM** **Ethics in AI Panel**
Moderator, Dominik Boesl, IEEE TechEthics Ad Hoc Committee and Head of Robotics at Festo;
with; Kate Vredenburg, Harvard University; Kevin McGowan, McKinsey & Company; and Ayanna Howard, Roboticist, Georgia Tech.

IEEE HONORS CEREMONY

"The Award Ceremony & Gala certainly felt like attending the Academy Awards."

"It's the most exciting awards show that I've ever attended!"

"I was captivated by the accomplishments of the recipients."



SPEAKERS

17 May 2019



Mike North

Dr. Mike North is involved in all aspects of our technological charge from inventing new materials and technologies in a cleanroom, to creating cutting-edge prototypes on Discovery Channel's *Prototype This!* Brimming with enthusiasm, Mike's engaging personality makes him an energetic and charismatic science and technology advocate, inspiring grade-schoolers to CEOs.

His unique mix of engineering and artistic skills combined with his charismatic personality led him to masterminding builds on Discovery Channel's *Prototype This!* Responsible for co-developing the concept of the show and developing concepts for new inventions, Mike would then lead teams of crack inventors, builders, and engineers to create never-before-seen spectacles of engineering. To accomplish these projects at breakneck speeds, Mike pulls from all areas of science, technology, and manufacturing. The inventions range from six-legged, all-terrain vehicles to 30-foot-tall waterslide simulators to lifesaving firefighting equipment.

[ReAllocate](#) is the project Mike is most passionate about. As Founder, Mike is uniting the engineering and design communities to provide design and engineering support to those at the base of the economic pyramid. "By ReAllocating just a little bit of our expertise and time we are able to have a huge impact on the lives of those that need it most," said Mike during his keynote at the recent Global Humanitarian Technology Conference.

Mike North commonly speaks on the status and future of science and technology, and he is a stand-out motivational speaker. He is involved in several start-ups, educational programs, ongoing research, and is an advisor to multiple companies.



Telle Whitney

Telle Whitney is a senior executive leader, a recognized expert on diversity, and a true pioneer on the issue of women in technology. She has over 20 years of leadership experience, is a frequent speaker on diversity topics, and was named one of Fast Company's Most Influential Women in Technology. Telle served as CEO of the Anita Borg Institute from 2002 to September 2017, and co-founded the Grace Hopper Celebration of Women in Computing Conference with Anita Borg in 1994. She transformed the Institute into a recognized world leader for women and technology. The Grace Hopper Celebration—which attracted 500 attendees in 1994—has grown exponentially and was attended by over 18,000 women in 2017. In addition, the organization now partners with 70+ technology firms, including many of the world's most-recognized brands.

Prior to joining the Anita Borg Institute, Telle was VP of Engineering for Malleable Technologies, a start-up tech firm, where she led the creation and scale-up of the company's engineering function and turned the founder's initial idea into a reality. Telle has been called "a pioneer for the promotion of women technologists" and "one of the most inspirational leaders I have ever known." She has won numerous awards including the ACM distinguished service award and an honorary degree from CMU. She serves on multiple boards and advisory councils and frequently speaks on diversity topics.

Telle is also the co-founder of the National Center for Women and Information Technology (NCWIT). She holds a Ph.D. and M.S. in Computer Science from the California Institute of Technology and a BS in Computer Science from the University of Utah.

Telle Whitney will be recognized at the IEEE Honors Ceremony as this year's IEEE Honorary Membership Recipient.

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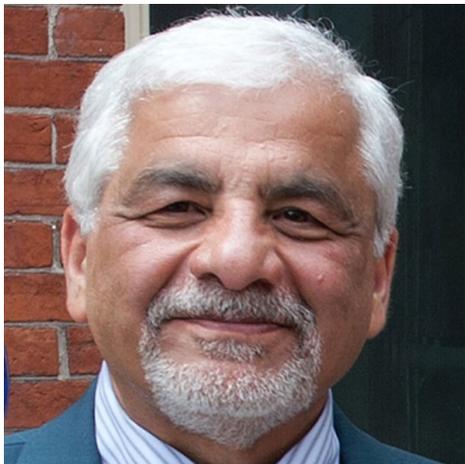


Sandra Baer

Sandra Baer is the President of Personal Cities, <http://personalcities.org/>, a smart city company focused on city branding and identity, social inclusion, and the acceleration of digital technology investments. She has recently been appointed a Global Ambassador for the Edison Electric Institute, <http://www.eei.org>, where she works to showcase the unique collaboration opportunities for utilities and smart cities around the world.

As a Senior Advisor to Citibeats, Sandra supports its mission to create an economy of impact by understanding the real concerns of a community in real time. An AI-based platform, Citibeats, <https://thecitibeats.com>, quickly gathers authentic, comprehensive feedback, visualizing what residents of a city are saying about specific topics. With this improved knowledge, Citibeats helps city leaders create people-centered strategies that foster sustainable development, grow a healthier economy, and build trust with every member of the community to create a more livable city.

Recently, Sandra Baer was a member of the Board of Directors of CIVIQ Smartscales, based in Boston, and later became the Chief Marketing Officer where her team built a strong brand for CIVIQ's digital kiosks through events, social media, and thought leadership, creating a new awareness of CIVIQ across industries and geographies.



Fawzi Behmann

Fawzi Behmann is the president of Telnet Management Consulting, Inc. Fawzi is a visionary, thought leader, author, entrepreneur, and evangelist in advancing the adoption of technology in serving humanity. He spent over 35 years in the industry and held various executive and leadership positions with Tier 1 companies in the areas of communications and networks spanning service provider, equipment vendor, and semiconductor in US and Canada. Core competencies include strategic planning, product management, solution development and GOTO market.

Fawzi is passionate about technology automation and founded TelNet Management Consulting Inc. in 2009 offering education and professional services in the areas of technology trends, IoT/AI/5G technology positioning, and smart networking solutions development in key markets such as healthcare, mobility, energy, public safety, and smart cities.

Fawzi has been a keynote, distinguished speaker, and presenter at several domestic and international conferences. He organized the most recent GreenTech international conference of Smart City and other outreach events. Fawzi has several publications and a new book on the subject of future IoT, *Collaborative Internet of Things for Future Smart Connected Life and Business*, published by Wiley.

Fawzi is an IEEE Senior Member, and he is currently a Distinguished Lecturer for IEEE Computer Society, vice chair for IEEE ComSoc North America, and board member of Austin CityUp. He is also the chair of IEEE Central Texas Section and Region 5 Committee chair of conferences. Fawzi Behmann has received several awards from Industry and IEEE, most recently, the 2017 IEEE Communications Society Chapter of the Year award and IEEE USA Regional Leadership Award.

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Avidah Zakhor

Avidah Zakhor is currently Qualcomm Chair and professor in EECS at U.C. Berkeley. Her areas of interest include theories and applications of signal, image, and video processing and 3D computer vision. She has won a number of best paper awards, including the IEEE Signal Processing Society's in 1997 and 2009; IEEE Circuits and Systems Society's in 1997 and 1999; IEEE Solid Circuits Society's in 2008; the IEEE international conference on image processing in 1999; the Packet Video Workshop in 2002; and the IEEE Workshop on Multimodal Sentient Computing in 2007.

Avidah received the B.S. degree from Caltech and the S.M. and Ph.D. degrees from MIT, all in electrical engineering, in 1983, 1985, and 1987, respectively. She was a General Motors scholar from 1982 to 1983; a Hertz fellow from 1984 to 1988; and received the Presidential Young Investigators (PYI) award and Office of Naval Research (ONR) young investigator award in 1992. In 2001, she was elected an IEEE Fellow and in 2018 she received the Electronic Imaging Scientist of the year award from SPIE.

She co-founded OPC technology in 1996, which was later by Mentor Graphics (Nasdaq: MENT) in 1998, and UrbanScan Inc. in 2005, which was acquired by Google in 2007. Avidah Zakhor founded Indoor Reality in 2015 to develop technologies for fast, automated energy audits of commercial buildings.



Irene Hu

Irene Hu is the Hardware Electronics Engineer of Biobot Analytics, where she leads the development of hardware electronics, communications infrastructure, and sensing technology. Biobot transforms city sewage into public health observatories, and is currently measuring opioid concentrations in sewage to estimate consumption in cities. Government, public health officials, and first responders leverage this near-real time data to tailor their opioid response strategies.

Prior to Biobot, Irene was completing a PhD in Civil and Environmental Engineering at MIT, where she was the recipient of the MIT Presidential Fellowship. Her doctorate work focused on the design and development of novel environmental sensors, with a particular focus on real-time, in situ environmental sensing. She also served on the executive board of the Graduate Women at MIT for several years, and was active in the MIT Science Policy Initiative. Irene holds a bachelor's degree in Electrical Engineering from Princeton University, and has also worked as a management consultant at Oliver Wyman.

SPEAKERS

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Kayne McGladrey

Kayne McGladrey is an IEEE member and the Director of Security and IT with Pensar Development, where leads a team charged with defending and deterring cyber threats in manufacturing. His present position continues to give him the chance to develop and deploy critical cyber security programs.

He also regularly has the privilege of speaking to the media and public about cyber security and technology and is passionate about increasing diversity in cyber security.

Previously, Kayne held progressively higher leadership positions in professional services management, systems engineering, cyber security solutions delivery, and program implementation with Integral Partners, Centrifry Corporation, AT&T Wireless and other high-tech firms in the US and Canada. Kayne lives in Bellingham, WA with his family and an increasing number of robots and other IoT devices.



Dominik B. O. Boesl

In January 2019, Dominik Boesl joined FESTO AG as Vice President & Head of Robotic Futures. Directly reporting to the CTO, he leads FESTO's robotics business unit and defines its automation strategy. Prior to this position, he had been responsible for Innovation and Technology Management at KUKA since joining KUKA Laboratories as Head of Corporate Strategy and Member of the Board in 2011.

In 2012, Dominik became Corporate Innovation Manager at KUKA AG, directly reporting to the Management Board. From January 2017 to December 2018 he acted as Vice President Consumer Driven Robotics and Senior Corporate Innovation Manager. His responsibility for innovation and evangelism efforts spanned the entire KUKA group. As one of KUKA's Technical Fellows he defined KUKA's digitalization, IoT, and Industrie 4.0 strategy.

In order to foster the interdisciplinary discourse about the impact of robotics and automation on society and humankind, Dominik is leading efforts in "Robotic & AI Governance," working on establishing a framework for voluntary self-regulation regarding the use of disruptive technologies.

Dominik graduated with a diploma in Computer Science from the University of Augsburg and a joint MBA degree from the University of Pittsburgh. In addition to his career, he lectures at various universities and has authored technical and scientific publications. At IEEE, Dominik Boesl currently acts as Chair of the IEEE TechEthics Ad-Hoc Committee and as Vice President for Industrial Activities of the Robotics and Automation Society.

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Kate Vredenburg

Kate Vredenburg is a PhD candidate in philosophy at Harvard University. Her work and teaching examine political and ethical questions around emerging technologies, such as questions around transparency.

She will take up a one year postdoctoral fellowship at the McCoy Family Center for Ethics in Society at Stanford University, before joining the London School of Economics as an Assistant Professor in 2020.



Kevin McGowan

Kevin McGowan is an Associate Partner for McKinsey & Co. in its Cleveland office. He is a leader in McKinsey's Global Energy & Materials (GEM) Practice.

He primarily serves clients in Chemicals (Commodity and Specialty), Materials, Energy and Agriculture. He supports client with complex functional excellence transformations across commercial, supply chain and operations.

Recently, he has been focusing on the role of Industry 4.0 (digital, advanced analytics and automation) on asset/network and labor productivity in the Chemicals Industry.

SPEAKERS

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Peter Iosifidis

Peter Iosifidis is the Program Manager of the Lockheed Martin X-59 Low Boom Flight Demonstrator program being developed for NASA by the company's Air Vehicle Design & Technologies of Lockheed Martin Aeronautics - Skunk Works® in Palmdale, California. Peter has been with Lockheed Martin for 34 years including 26 years at Aeronautics and 8 years at Mission Systems and Training.

Peter has a diverse background in the aerospace business with recognized experience in managing and leading programs, as well as developing company strategies to support competitive efforts.

Peter's experience spans from Program Management and Business Development to Operations and Global Sustainment. This is complimented by leadership roles as Program Manager, Capture Manager, and Deputy Director of aircraft modifications.

Peter began his career in the US Air Force at Beale AFB, CA. as a Crew Chief on the Lockheed Martin U-2 Aircraft. Since joining Lockheed Martin, he has held roles of increasing responsibility on programs including Special Mission C-130, X-33 Single Stage to Orbit Vehicle, and the F-117 Nighthawk Stealth Fighter. While at Mission Systems and Training, Peter led the Global Sustainment and Operations organization of a large Foreign Military Sales Program in Taiwan.



Ayanna Howard

Ayanna Howard, Ph.D. is the Linda J. and Mark C. Smith Professor and Chair of the School of Interactive Computing at the Georgia Institute of Technology. She is also the Chief Technology Officer of Zyrobotics. Ayanna's career focus is on intelligent technologies that must adapt to and function within a human-centered world. Her work, which encompasses advancements in artificial intelligence (AI), assistive technologies, and robotics, has resulted in over 250 peer-reviewed publications in a number of projects—from healthcare robots in the home to AI-powered STEM apps for children with diverse learning needs.

To date, her unique accomplishments have been highlighted through a number of awards and articles, including highlights in USA Today, Upscale, and TIME Magazine, as well as being recognized as one of the 23 most powerful women engineers in the world by Business Insider and one of the Top 50 U.S. Women in Tech by Forbes. In 2013, she also founded Zyrobotics, which is currently licensing technology derived from her research and has released their first suite of STEM educational products to engage children of all abilities. Prior to Georgia Tech, Ayanna Howard was a senior robotics researcher at NASA's Jet Propulsion Laboratory. She also holds a faculty appointment in the School of Electrical and Computer Engineering.

IEEE VIC Summit Pre-Event “An Evening of Innovation”

**Qualcomm Headquarters – San Diego, CA
Irwin Jacobs Auditorium
Thursday, 16 May 2019
5:00 PM - 7:00 PM**

Qualcomm will be hosting “An Evening of Innovation” that will include panel discussion with 2019 IEEE Medal Recipients that will highlight their achievements in communication and technology. A light reception will follow the panel discussion.

Exclusive event with registration to the IEEE VIC Summit and Honors Ceremony.

Transportation provided.

The Qualcomm logo is displayed in white text on a dark blue rectangular background. The logo consists of the word "Qualcomm" in a sans-serif font, with the "Q" being significantly larger and more stylized than the other letters.

Pre-event

“An Evening of Innovation” Speakers Hosted by Qualcomm

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Kurt E. Petersen

Kurt E. Petersen's foundational work on microelectromechanical systems (MEMS) helped unify and provide direction for the field, and his commercialization of MEMS technologies has continued to transform the field to realize the many applications we take for granted today. MEMS involve miniature mechanical and electromechanical elements, such as sensors, actuators, and other microelectronics, merged onto a common silicon substrate along with integrated circuits. MEMS-based devices provide important functionality in today's smart phones, medical devices, and smart automotive and smart human-machine interface applications.

An IEEE Life Fellow and member of the U.S. National Academy of Engineering, Kurt Petersen is the 2019 IEEE Medal of Honor recipient and is currently a member of the Silicon Valley Band of Angels and resides in Milpitas, CA, USA..



David Tse

Known for his unique ability to pioneer theoretical concepts that have a substantial practical impact on wireless networks, David Tse's work has profoundly impacted wireless data transmission by increasing wireless channel capacity and combatting interference. His contributions to an approximation approach to network information theory, diversity-multiplexing tradeoff in multiple-input multiple-output (MIMO) wireless communication, opportunistic scheduling, and scaling laws for ad-hoc networks have helped enable the wireless data boom we take for granted today. David developed an opportunistic scheduler and demonstrated that one can harness fading to increase network capacity, contrary to the conventional thinking that fading was detrimental. He showed that by scheduling the users with the "best" channels, along with appropriate fairness guarantees, one could increase the system throughput as well as individual throughput significantly. This was part of the Qualcomm EvDO high-data-rate wireless system and was subsequently incorporated into all 3G and 4G cellular systems. In collaboration with Pramod Viswanath and Rajiv Laroia, David later extended this idea to slowly changing channels by using the idea of multiple antennas to induce fading and therefore enabling opportunistic scheduling. In joint work with Lizhong Zheng, he pioneered the diversity-multiplexing tradeoff framework to design MIMO systems, which optimally extracts diversity and multiplexing benefits from wireless fading channels. The approximation approach to wireless network information theory (a collaboration with Salman Avestimehr and Suhas Diggavi) has made significant progress in resolving many important open questions within a universal approximation constant. This approach tackled a long-standing problem by resolving the capacity of the Gaussian interference channel up to 1 bit. David has made a positive impact on education with his book *Fundamentals of Wireless Communication* (coauthored with Pramod Viswanath). Used in over 60 institutions around the world, this book introduces and illustrates fundamental wireless concepts from engineering practice and presents mathematical abstraction at a level just right to provide insights but not so deep that it no longer models the real world.

An IEEE Fellow, recipient of the IEEE Information Theory Society's Claude E. Shannon Award (2017), and 2019 IEEE Richard W. Hamming Medal recipient, David Tse is the Thomas Kailath and Guanghan Xu Professor of Engineering at Stanford University, Stanford, CA, USA.

Pre-event

“An Evening of Innovation” Speakers Hosted by Qualcomm

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Sir Robin Keith Saxby

One of the key engineers and innovators who enabled the smartphone revolution, Sir Robin Keith Saxby has helped change the way we communicate and do business by leading the company that developed what is perhaps the world's most prolific microprocessor. Sir Robin was the founding CEO of the Cambridge (U.K.)-headquartered startup ARM at the end of 1990 and developed it into one of the leading electronics intellectual property (IP) companies in the world. When ARM was formed as a joint venture between Acorn Computers and Apple, Saxby took 12 engineers from Acorn and, using a US\$1.5M investment from Apple and US\$250K from VLSI Technology, shaped them into one of the most formidable management teams in the industry. It is highly probable that your cell phone, tablet, laptop, smart watch, and the electronics in your automobile are powered by microprocessor architectures developed under his leadership at ARM. Based on reduced instruction set computing (RISC) processing, ARM's design used less power and cost than more complex designs used for PCs at the time, making them perfect for battery-powered consumer devices. Sir Robin introduced the licensing model for selling microprocessors and pioneered the concept of portable IP, with ARM licensing its microprocessor architecture and implementations to leading semiconductor and systems companies such as Intel, Sony, Philips, Samsung, Texas Instruments, Apple, and Motorola, and leading software companies including Microsoft. Today, the ARM microprocessor is integrated into more and more sophisticated chips, with an accelerating range of applications including digital cameras, games consoles, controllers for WiFi & Bluetooth systems, routers, and real-time automobile safety systems. He also served as chairman of the Open Microprocessor Initiative, a European Union panel set up to advise on collaborative research and development activity in Europe. He was knighted by the Queen of England in 2002 for services to the information technology industry. Since his retirement from ARM, he has been dedicated to mentoring young entrepreneurs. He is also an angel investor for many U.K.-headquartered technology startups.

A fellow of the Royal Academy of Engineering and the Royal Society (UK), Sir Robin Saxby is the recipient of the 2019 IEEE Founders Medal. He is a visiting professor at the University of Liverpool, UK.



Antun Domic

The electronic design automation (EDA) tools, methodologies, and flows developed under Antun Domic's leadership have driven the state-of-the-art in digital microelectronics for almost three decades and have enabled the continued miniaturization of the electronic components that power today's applications. EDA makes possible the creation of complex electronic systems with computer software that aids in the design, verification, and testing processes and helps detect and eliminate bugs and defects in chips and circuit boards. The EDA tools developed under Antun's leadership while at Synopsys and other companies have impacted the creation of a large number of the world's most advanced microelectronic components by enabling the design of chips containing billions of gates from high-level synthesis through physical layout and verification, including timing, power, area, and test optimization—all the way to the final design result.

An IEEE Fellow, Antun Domic is the recipient of the 2019 IEEE Robert N. Noyce Medal. He is currently chief technical officer at Synopsys, Mountain View, CA, USA.

AGENDA OVERVIEW

PROGRAM AGENDA (cont.)

- 2:50 PM** Break (Foyer)
- 3:05 PM** **X-59 Low Boom – Future of Aerospace**
Peter Iosifidis, Program Manager, Lockheed Martin
- 4:00 PM** **Closing Remarks**
- 4:15 PM** **VIC Summit Networking & Red-Carpet Reception** (Marriott Grand Ballroom Foyer)
Meet & Greet ♦ Photos ♦ Robot Demos
- 6:00 PM** **Honors Ceremony Gala & Dinner** (Marriott Grand Ballroom 1-6)
Presentation of 2019 IEEE Medals and Recognitions with entertainment.
Hosted by José M.F. Moura, IEEE President, and Toshio Fukuda, IEEE President-Elect.
Doors Open at 5:30 PM for Seating
- 9:00 PM** **Afterglow, Sponsored by IEEE Young Professionals** (Marriott Grand Ballroom Foyer)
immediately following the Honors Ceremony

MEDIA COVERAGE



700,000 estimated monthly

SEMICONDUCTOR ENGINEERING

Reach 848,550 monthly



2.5 million estimated Comcast subscribers in California



Impressions 2K



Reach 100K estimated monthly podcast listeners
10K estimated monthly newsletter readers

The Institute 

Reach 350K+ IEEE members

World-class presenters deep diving into some of the most crucial areas of technology today, including Ethics & AI, Social Networks, Cybersecurity, Robotics, and more.

