



IEEE San Diego Women In Engineering

IEEE ComSoc Women in Communications Engineering



**WIE/WICE Luncheon and Panel
@GlobeCom2015**

December 8th • 12:15 PM

Aqua Salon C



PROGRAM

Welcome

Kathy Herring Hayashi
San Diego WIE Chair

**WICE Awards
Presentation**

Octavia A. Dobre
WICE Chair

**Panel Discussion:
Global Innovation**

Moderator:
Poornima Lalwaney
*Senior Director of Product Management for
Qualcomm Technologies Inc*

Panelists:
Susan Armstrong
SVP of Engineering for Qualcomm

Patricia Robb,
*Head of Strategic IP and
Advanced Platforms/IOT Intel*

Martha Dennis
*Independent Board Member & Advisor to
Emerging Technology Ventures*

Meryem Simsek
*Research Group Leader at
Technical University Dresden*

Open Forum

All

Session Close

Kathy Herring Hayashi
San Diego WIE Chair

December 8th, 2015

————— **WICE AWARD WINNERS** —————

WICE Outstanding Mentorship Award 2015

Professor Vincent Poor, Princeton University

WICE Outstanding Service Award 2015

Ms. Elena Neira, Verizon

WICE Outstanding Achievement Award 2015

Professor Muriel Medard, MIT

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Global Innovation Panelists



Susan Armstrong

Senior Vice President, Engineering

Qualcomm

Susan started at Qualcomm working on Globalstar and then early CDMA base station projects. She was a pioneer in bringing internet protocols to the cellular industry, resulting in the first web surfing on a cellular phone in 1997, and Qualcomm's commercialization of packet data in 1998. Since then she has held various leadership positions, first as the head of Software Engineering in Qualcomm's mobile chipset division, and then as the head of worldwide Customer Engineering, the group who integrates and commercializes the company's products in phones and other wireless devices. She has worked extensively with phone and device makers in Asia and Europe to bring Qualcomm's technologies to market.

Recently, Susie has joined Qualcomm's Government Affairs group, where she brings an engineering and product background to the Government Affairs work in worldwide public policy, including intellectual property protection, trade and immigration reform, STEM and STEM diversity.

Prior to joining Qualcomm in 1994, Susie worked for 10 years at the Xerox Systems Development Department and the Xerox Webster Research Center, holding a variety of software engineering positions that focused on data protocols and operating systems, and advanced development in high-speed data networking.

Global Innovation Panelists



Patricia Robb

Product Development Executive, Strategic IP and Advanced Platforms, IOT Group

Intel

Patricia Robb is a Product Development Executive with Intel's Internet of Things Group leading Strategic IP and Advanced Platforms. She works on amazing projects and uses technology to improve people's lives every day.

She is a visionary, high energy executive passionate about developing and shipping innovative products and understands the technology trends that will shape the future.

Patti is equally passionate about closing the gender gap in the Technology Industry and a champion of the Pay it Forward program at Intel to help develop and advance more women at the company.

Patti is an innovative leader with 22 years new technology and software development experience, including wireless, m2m, software services, and end-to-end solutions. She excels at creating diverse teams, developing talent and building bridges to enable teams to collaborate at all levels.

Patti was responsible for leading and developing Intel's Android Tablet and Phone Strategy. During her time at Intel, she has overseen the launch of key mobile products with OEM's, building Intel's presence in the marketplace. These successes required leading change to create devices meeting new requirements with new capabilities to build great customer experiences.

Prior to joining Intel, Patti was Sr. Director of Engineering at Motorola, leading Global Multi-Site Product Development teams of over 450 engineers creating new technologies and delivering multi-mode LTE, CDMA, and UMTS wireless products globally. She has broad relationships in the Industry with Carriers, OEMs, ODM's and other Ecosystem partners.

Patti has 8 patents issued or pending.

Global Innovation Panelists

Martha Dennis

Independent Board Member

Advisor to Emerging Technology Ventures



Martha Dennis is currently Principal at Gordian Knot, an advisory firm to emerging technology businesses in San Diego. She was a Venture Partner with Windward Ventures from 2002 to 2006; Windward Ventures invests in early-stage Southern California technology companies. Previously she was President and CEO of WaveWare Communications, Incorporated, which she co-founded in April 1997; WaveWare sold software for wireless handheld connectivity. Formerly, Martha was co-founder and Vice President of Engineering of Pacific Communications Sciences, Incorporated, a San Diego based developer of wireless communications equipment founded in 1987 and sold to Cirrus Logic in 1993. From 1976 to 1987 she led software development at Linkabit Corporation as Assistant Vice President. She currently serves as a Director of Mundoval (NASDAQ: MUNDX), as Chairman of the Board of Netsapiens, Inc., and as Lead Director of Space Micro Inc. She also is a member of the Chairmen's Roundtable, serves on the board of San Diego Tech Coast Angels, and serves on the EvoNexus Selection Committee. She chaired the CommNexus Nextstage program for 9 years.

As a volunteer Martha is on the advisory boards of the UCSD Rady School of Management, SDSU College of Engineering, the UCSD Jacobs School of Engineering and EvoNexus (formerly CommNexus). She is also a Trustee Emerita of Harvey Mudd College. She is past Chair of the City of San Diego Science & Technology Commission and has served on the boards of the San Diego Regional Chamber of Commerce and the San Diego Regional Economic Development Corporation. In the past she served on the advisory board of UCSD CONNECT. Martha has also been deeply involved in a number of other San Diego not-for-profit organizations.

Martha holds a doctorate from Harvard University and a bachelor's degree from Smith College. She is a member of Sigma Xi and is the recipient of the Tribute to Women in Industry Award (1983), the Women Who Mean Business Award (1995), and the Athena Pinnacle Award (2003).



Meryem Simsek

Research Group Leader

Technical University Dresden

Meryem Simsek received her Diplom-Ingenieurin degree in Electrical Engineering and Information Technology from the University of Duisburg-Essen, Germany in 2008 while holding a scholarship from the German National Academic Foundation which is granted to the outstanding 0.5% of all students in Germany. She obtained her Ph.D. degree on ‘reinforcement learning based inter-cell interference coordination in heterogeneous networks’ from the same university in 2013.

In 2013, she became a postdoctoral visiting scientist at Florida International University. Since 2014, she is a group leader at the Vodafone Chair Mobile Communication Systems at the Technical University Dresden, Germany.

Her main research interests include radio resource management in heterogeneous wireless networks, 5G wireless systems, game theory, reinforcement learning, and the tactile internet. Meryem won the IEEE Communications Society Fred W. Ellersick Prize 2015. In June 2015, she started the IEEE ETC technical sub-committee ‘The Tactile Internet’ which she is chairing. In addition, she is a corresponding scientist of the 5G Lab Germany.



Poornima Lalwaney

Senior Director of Product Management

Qualcomm Technologies, Inc.

Poornima Lalwaney is a Senior Director of Product Management with Qualcomm where she leads the Qualcomm Global Pass initiative as part of Qualcomm's Reference Design Program. Poornima has been with Qualcomm since Dec 2012. Prior to Qualcomm, Poornima has held technical leadership and management roles in mobile wireless industry at Motorola and Nokia, San Diego. Poornima has 20 years of experience in wireless systems, software and products. She has led teams on early technology commercialization (Multicast, IPv6, IMS, IPTV); and has also led software and product teams delivering devices to Mobile Operators around the world. Poornima holds 8 U.S patents in data networking protocols and mobility system architectures and has contributed to IETF and 3GPP2/3GPP standards. Technology initiatives and patents are in Internet data over broadband access, inter-access technology hand-offs, cloud based video mobility and device architecture.

Poornima Lalwaney holds a Ph.D. in Electrical and Computer Engineering from the University of Massachusetts, Amherst and a Masters degree in Electrical Communications Engineering from The Indian Institute of Science, Bangalore, India. Poornima has served on technical program committees and chaired sessions at IEEE Conferences. Poornima chaired the San Diego chapter of the IEEE Communications Society 2000-2001 and won the best Chapter chair award for the same. Poornima is involved with San Diego startups mentorship programs and has served on the Evonexus incubator Committee.



Octavia A. Dobre

Associate Professor at Memorial University

WICE Chair

Octavia A. Dobre is an Associate Professor with Memorial University, Canada. She was the recipient of a Royal Society scholarship at Westminster University, UK (2000), and held a Fulbright fellowship at Stevens Institute of Technology, USA (2001). Octavia was a Visiting Professor with UBO, France and MIT, USA (2013). Her research interests include signal processing for communications, cognitive radio systems and cooperative wireless communications among others. She published +170 journal and conference papers in these areas, gave +40 invited talks to industry and academia, and prepared +30 technical reports for the industry partners. Octavia's research has been supported by NSERC, MITACS, CFI, RDC, ACOA, DRDC, and CRC Canada, as well as Altera Corporation, DTA Systems, ThinkRF and Agilent Technologies.

Octavia is a Senior Editor for the *IEEE Communications Letters*, as well as an Editor for other prestigious IEEE journals. She served as general chair and technical program committee chair for various conferences in her field. She is the chair of the IEEE ComSoc Women in Communications Engineering standing committee.

Octavia received her doctorate of Electrical Engineering from the University of Bucharest.

GC2015 WIE/WICE Program Chair



Kathy Herring Hayashi

Senior Staff Engineer, Qualcomm

IEEE San Diego WIE Chair

A Senior Member of IEEE, Kathy founded and currently chairs the San Diego IEEE Women in Engineering (WIE) Affinity Group.

She has been involved in semiconductor software her entire career. At Unisys, she developed advanced CAD software tools, developing custom RTL, parsers and behavior to structure synthesis tools using rules based AI techniques. Her team also produced an advanced parametric graphical layout language which significantly reduced the development complexity for layout. She has also worked at Cadence Design Systems and was Director of Professional Services at Synticity, a semiconductor startup that was recently acquired by PDF Solutions.

Kathy currently works at Qualcomm Inc., analyzing and optimizing semiconductor workflows in large scale compute environments. She also teaches at the Computer Science and Information Technology Department at Palomar College.

Event Sponsor

A graphic for Qualcomm's support of IEEE Women in Engineering and IEEE Women in Communications Engineering. It features a stylized lightbulb with a brain-like interior filled with technical icons, connected to a network of nodes. The Qualcomm logo is prominently displayed in the center. Below the logo, the text reads: "Qualcomm is Proud to Support IEEE Women in Engineering and IEEE Women in Communications Engineering". A silhouette of a person is visible in the background on the right. At the bottom right, the URL "qualcomm.com/diversity" is provided.

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...and all those who made this event possible.

