

“A View into the Century of Biology and Agilent”

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Darlene Solomon is senior vice president and chief technology officer for Agilent Technologies. Her responsibilities include Agilent Research Laboratories which focuses on high impact, longer range research in support of Agilent's sustained business growth, and Agilent's programs in university relations, external research and venture investment. In her leadership role, she works closely with Agilent's businesses to define the company's technology strategy and R&D priorities.

Solomon earned her bachelor's degree in chemistry from Stanford University and a doctorate in bioinorganic chemistry from the Massachusetts Institute of Technology. She joined Hewlett-Packard Laboratories in 1984 as a research scientist and soon moved into leadership as the Research & Development Manager of their Chemical and Biological Systems Department. When Agilent Technologies was spun off from H-P in 1999, she became responsible for Research and Development/Technology for Agilent's Life Sciences and Chemical Analysis business. She was promoted to Vice President and Director of Agilent Laboratories in 2003 and has been Agilent Technologies' Chief Technology Officer and Senior Vice President since 2006.

Amongst the recognition for her accomplishments Solomon was elected to the National Academy of Engineering and received the USC Viterbi School of Engineering's Daniel J Epstein Engineering Management Award. She was also inducted into the Women in Technology International's Hall of Fame, received the YWCA Tribute to Women and Industry Award, and named to Corporate Board Member's 50 Top Women in Technology.

ABSTRACT

Technology leadership based on a culture of innovation, contribution and sustained R&D investment has been at the core of Agilent's success through decades of market and technology waves. Today, biology is the field where science and understanding are most rapidly changing. This talk will highlight key megatrends in this 'century of biology', Agilent's transition from being a predominantly electronics and semiconductor company into one fully-focused on the applied chemical, life science and diagnostics industries, and some of the technology contributions underway at Agilent that will underlie tomorrow's breakthroughs.

**Friday, December 7th
12:00 Noon**

Presented From: 321 MacNider Hall (UNC)

**Videoconferenced to: 4142 Engineering Building III (NC State)
& East Carolina University (ECU)**