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N E W S R E L E A S E

# Vivek Wadhwa & Ahmed Zewail

## “Technology's Promise, Humanity's Future”

Sunday, November 18 / 3:00 p.m. / Free  
UCSB Campbell Hall

S U M M A R Y F A C T S

- Vivek Wadhwa, *Washington Post* and *Bloomberg Businessweek* columnist, is Vice President of Academics and Innovation at Singularity University, Silicon Valley.
- Ahmed Zewail, winner of the 1999 Nobel Prize in Chemistry, is Linus Pauling Professor of Chemical Physics and Professor of Physics at the California Institute of Technology, (Caltech), where he currently serves as the Director of the Moore Foundation's Center for Physical Biology.
- "Technology's Promise, Humanity's Future"
- Sunday, November 18 / 3:00 p.m. / FREE
- UCSB Campbell Hall
- Information: Walter H. Capps Center for the Study of Ethics, Religion, and Public Life at UCSB (805) 893-2317
- Digital copies of press materials available at <http://www.cappscenter.ucsb.edu/news/press-releases/>

## Description:

As late as the mid-twentieth century science and technology were celebrated as instruments of progress, but by the early twenty-first century they were viewed as threats to life on earth. How may science and technology be managed to advance humanity?

## Speaker Profiles:

**Vivek Wadhwa** is Vice President of Academics and Innovation at Singularity University, Fellow at the Arthur & Toni Rembe Rock Center for Corporate Governance, Stanford University, Director of Research at the Center for Entrepreneurship and Research Commercialization at the Pratt School of Engineering, Duke University, and distinguished visiting scholar, Halle Institute of Global Learning, Emory University. In 2012, the U.S. Government awarded Wadhwa distinguished recognition as an “Outstanding American by Choice” — for his “commitment to this country and to the common civic values that unite us as Americans.”

Wadhwa oversees the academic programs at Singularity University, which educates a select group of leaders about the exponentially growing technologies that are soon going to change our world. These advances—in fields such as robotics, A.I., computing, synthetic biology, 3D printing, medicine, and nanomaterials—are making it possible for small teams to do what was once possible only for governments and large corporations to do: solve the grand challenges in education, water, food, shelter, health, and security.

In his roles at Stanford, Duke, and Emory universities, Wadhwa lectures in class on subjects such as entrepreneurship and public policy, helps prepare students for the real world, and leads groundbreaking research projects. He is an advisor to several governments; mentors entrepreneurs; and is a regular columnist for *The Washington Post*, *Bloomberg BusinessWeek*, and the American Society of Engineering Education’s *Prism* magazine. Prior to joining academia in 2005, Wadhwa founded two software companies.

**Ahmed Zewail**, winner of the 1999 Nobel Prize in Chemistry, serves as Linus Pauling Professor of Chemical Physics and Professor of Physics at the California Institute of Technology, (Caltech), where he is currently the Director of the Moore Foundation’s Center for Physical Biology. In 2009, President Barack Obama appointed him to the President’s Council of Advisors of the White House and named him as the first United States Science Envoy to the Middle East. In 2011, he was recognized as one of the Top American Leaders of the year by *The Washington Post* and Harvard Kennedy School's Center for Public Leadership.

Dr. Zewail was the sole recipient of the 1999 Nobel Prize for his pioneering developments in *femtoscience*, making possible observations of atomic motions during molecular transformations in femtosecond, a millionth of a billionth of a second. More recently, he and his group have developed the field of *4D electron microscopy* for the direct visualization of matter’s behavior, from atoms to biological cells, in the four dimensions of *space* and *time*. A significant effort is also devoted to giving public lectures on science and on the promotion of education and partnership for world peace, and he continues to serve on national and international boards for academic, cultural, and world affairs.

For his contributions to science and public life he has garnered other honors from around the globe: forty honorary degrees in the sciences, arts, philosophy, law, medicine, and humane letters from universities around the world; orders of state and merit; commemorative postage stamps; and more than one hundred international awards, including the Albert Einstein World Award of Science, Benjamin Franklin Medal, the Robert A. Welch Award, the Leonardo da Vinci Award, the King Faisal International Prize, and the Priestley Medal.

In his name, international prizes have been established, and the AZ foundation provides support for the dissemination of knowledge and for merit awards in arts and sciences.

**Sponsor:**

This free, public event is part of the Hamdani World Harmony Lecture Series and is presented by the Walter H. Capps Center for the Study of Ethics, Religion, and Public Life at UCSB.

**For more information, call  
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