

Excellence

Center for Excellence in Education

President's Message

"To keep and grow U.S. innovation and leadership in science and technology will require investment that identifies and nurtures top achieving students. For over 40 years the Center for Excellence in Education has provided internationally recognized programs for thousands of high school and college scholars, free-of-cost to them. America's global competitiveness depends on our commitment in STEM fields. Unfortunately, the U.S. lags behind many nations in math and science proficiency."

Joann DiGennaro
CEE President

MISSION: The Center for Excellence in Education (CEE) has contributed to the scientific leadership of this country since its founding in 1983 by the late Admiral H.G. Rickover, Father of the Nuclear Navy and civilian use of nuclear power, and Joann DiGennaro, CEE's President. CEE refers to alumni as "Rickoids" in fond honor of the late Admiral H.G. Rickover.

A charitable non-profit, 501(c)(3) organization, CEE nurtures high school and university scholars to careers of excellence and leadership in science, technology, engineering, and mathematics (STEM), and encourages collaboration between and among scientific and technological leaders in the global community.

IMPACT: CEE's more than 3,000 RSI and USABO alumni are global technology and innovation leaders in higher education and business, including 300+ corporate founders, CEOs, presidents, and top executives. Nearly 5,000 STEM teachers and 600,000 underserved urban and rural students have benefited from TEP outreach in 12 states. The center's new STEM clubs initiative—Lyceums—has already engaged students from 25 states and 28 countries. CEE's international footprint reaches 62 nations with the Research Science Institute modeled in Bulgaria, China, India, Israel, Saudi Arabia, and Singapore.

PROGRAMS: CEE programs are nationally and internationally recognized for providing opportunities to some of the world's greatest young minds through collaborations with educational institutions, foundations, corporations, government agencies, and individuals who share a commitment to educational excellence. CEE sponsors the Research Science Institute (RSI), USA Biolympiad (USABO), the Teacher Enrichment Program (TEP), STEM Lyceums, and the Department of Defense Research Laboratories Internships. The Center's TEP and Lyceums are partner programs to help high school students from under-resourced communities discover and explore pathways to STEM careers. Targeted urban and rural districts meet federal education guidelines as 'underserved,' and qualify for Title I Reading and free school lunch funding. All CEE programs are offered cost-free to students and teachers, thereby leveling the playing field for economically disadvantaged students. Programs include:



Research Science Institute (RSI) is a six-week, intensive summer science and engineering program for the world's most accomplished high school students, collaboratively sponsored with Massachusetts Institute of Technology (MIT), where the program is hosted in Cambridge, Massachusetts. More than 3,000 high school students representing every U.S. state and 62 nations have experienced RSI.



USA BIOlympiad

USA Biolympiad is the nation's most prestigious biology education and testing program for high school students. It enriches the life science education of 10,000 talented students annually with twenty finalists invited to a two-week residential training program. Ultimately, four students are competitively chosen to represent the USA at the International Biology Olympiad (IBO), a worldwide competition involving student teams from nearly 80 countries. Every member of the USA Biolympiad Team has medaled at the IBO since first competing in 2003.



Teacher Enrichment Program

Teacher Enrichment Program provides opportunities for underserved rural and urban high school teachers to connect with experts from industry and academia to explore cutting-edge research and development and make meaningful professional links with direct benefits for them and their students. To date, more than 4,000 teachers from over 1,400 schools have participated. The program has reached nearly 600,000 underserved rural and urban students to consider STEM careers.



STEM Lyceums

EXPLORE YOUR POTENTIAL IN STEM

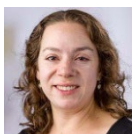
STEM Lyceums is a virtual club with the purpose of building high school STEM communities, and engaging students in discussions and explorations of STEM concepts and STEM career pathways, provided at no cost to schools or students. Students interact with STEM professionals and fellow students, both national and international. Meetings foster critical thinking skills, encourage excitement for science, and prepare students to enter STEM careers.

Additionally, CEE partners with the Department of Defense (DoD) to place CEE alumni from the RSI and USABO programs in STEM internships in DoD Research Laboratories throughout the U.S. CEE receives applications from program alumni who attend top-tier colleges and universities.

ALUMNI HIGHLIGHTS



Feng Zhang (RSI '99), PhD, is a pioneer of CRISPR technologies. He holds the James and Patricia Poitras Professorship in Neuroscience at MIT. He is also with the Broad Institute of MIT and Harvard.



Kelley Harris (USABO '03, RSI '04), PhD, is assistant professor in the Department of Genome Sciences at the University of Washington in Seattle.



Steven Fein (RSI '89), MD, MPH, established Heme On Call, the world's first telemedicine-based hematology medical practice. He is a board-certified hematologist and oncologist who has been practicing medicine for over 20 years.



Ben Silberman (RSI '98) is co-founder and executive chairman of Pinterest, a virtual pin board and one of the most popular social media sites in the world.

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Chairman's Note

"CEE is the crown jewel of free, competitive STEM programs for the most talented U.S. and international high school and university students.

I am proud to know that CEE has nurtured and challenged thousands of brilliant scholars who are taking their place in significant leadership roles in corporations, research labs, and universities. CEE scholars are the foundation for the increasingly high demand for a STEM-ready workforce. I continue to be honored to serve CEE as its Chairman, and I am equally impressed every day by the achievements of our scholars."

Mel Chaskin, Chairman