



CEE is proud of its History

The Center for Excellence in Education commemorated its 30th anniversary with a weekend of events, October 25-27 in Cambridge, Massachusetts. The exciting and memorable series of events was sponsored by the **Claude Moore Charitable Foundation**. Alumni and special friends of the Center enjoyed outstanding panels, Rickoids Talk sessions, and a formal celebratory dinner.

The celebration began with a reception for scientists involved with the RSI program. Esteemed professionals from academia and corporations were thanked for their dedication to working with this nation's STEM talent. Richard McCullough, Vice Provost for Research, Professor of Materials Science and Engineering, Harvard University, remarked on the talent of the RSI alumni and thanked the mentors for their unwavering commitment to CEE's programs.

Alumni and guests were greeted on Saturday with illustrious panel discussions with Nobel Laureates and notables who discussed *Strategies For a Start-Up Business*, *Future of Funding for Academic Research*, *Global Trends in STEM* and inspirational Rickoids' Talk sessions. Jinger Zhao, RSI'99 and Vice-President Quantitative Research, **Two Sigma**, generously hosted a very special reception for all of CEE's attendees prior to the gala dinner festivities.

Mel Chaskin, President and CEO of Vanguard Research, Inc. and CEE Chairman of the Board, kicked off the celebration dinner with remarks. Serving as Master of Ceremonies was Mr. Raymond Kubacki, Chairman and CEO, Psychemedics Corporation, and member of the CEE Board of Trustees.

CEE's Outstanding Leadership and Commitment to Excellence in Education Medals were presented by Mrs. Betty

"To all of CEE's Rickoids, CEE is always here for you. There is not any challenge you cannot overcome. Stay the course, embrace risk, and accept the stumbles. Enjoy and live life to the fullest," stated Joann DiGennaro, President, and Founder of CEE, with Admiral H.G. Rickover.



30th Anniversary Celebration of the Center for Excellence in Education (CEE).

Dranow, President of The Dranow Family Foundation and CEE Board of Trustees Member, to Ms. Jane Zhang, Chief Executive Officer, Circle Pleasure Corporation, Mr. Nicholas Gouletas, Chairman of the Board, American INVSCO, and to Dr. William Stuart, Assistant Professor, Department of Anthropology, University of Maryland, College Park.

CEE recognized 30 Outstanding Alumni in Science, Technology, Engineering, Mathematics (STEM), and Business. Awards were presented by Mr. David Leighton, Charter Member of CEE's Board. He reflected on years of working with Admiral H.G. Rickover and stated, "He would be so very proud of these men and women who are being recognized tonight." Mel Chaskin, Joann DiGennaro, and Maite Ballestero, Vice-President of Programs, congratulated the alumni as each received an award.

(continued on page 2)

The Center for Excellence in Education celebrated its 30th Anniversary during the weekend of October 25-27, 2013 at the Cambridge Marriott in Cambridge, MA. CEE proudly highlights this celebration in a special Commemorative Centerline.

Reflections and Gratitude

CEE's remarkable programs and its alumni accomplishments continue to amaze. With over thirty years of experience, the Center has sponsored the **Research Science Institute (RSI)** in partnership with the Massachusetts Institute of Technology (MIT), the **USA Biology Olympiad (USABO)** jointly sponsored with Purdue University, and the **Teacher Enrichment Program (TEP)**. The late Admiral H.G. Rickover, the father of the nuclear navy and civilian uses of nuclear power, and Joann DiGennaro, CEE's President, founded CEE to nurture high school and university scholars to careers of excellence and leadership in science, technology, engineering and mathematics, and to encourage collaboration between and among leaders in the Global Community.

Reflecting over the years, CEE has provided programming to academically qualified scholars and teachers, at no cost to them, through funding and collaborations with educational institutions, private foundations, corporations, government agencies, and individuals that support the Center's mission.

The Center looks forward to continued success of its unique programs which are designed to assure U.S. innovation, competitiveness, and international collaboration among the world's STEM leaders.

CEE extends a heartfelt thank you to all the wonderful supporters who believe in rewarding meritocracy to assure this nation's future. ♦

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Anniversary Event Program

The camaraderie, the panel discussions, and the Rickoid Talks are testimony that good things have come as a result of the Research Science Institute and the USA Biology Olympiad. Highlights of the celebration agenda are listed below.

--- SATURDAY, OCTOBER 26 ---

Continental Breakfast

7:30 to 8:45 a.m.

Opening Comments

9:00 a.m.

CEE Introductions

Mr. Mel Chaskin, Chairman, CEE Board of Trustees; President & CEO, Vanguard Research, Inc.

Ms. Joann DiGennaro, President, Center for Excellence in Education (CEE)

Panel 1

9:30 - 10:30 a.m. **Nobel Laureates — Moderator: Mr. Scott Kominers, RSI '04**

Dr. Wolfgang Ketterle, John D. MacArthur Professor of Physics at MIT; Associate Director of the Research Laboratory of Electronics at MIT; Director of MIT-Harvard Center for Ultracold Atoms, Nobel Laureate 2001, Physics

Dr. Eric Maskin, Adams University Professor, Faculty of Arts and Sciences, Department of Economics, Harvard University, Nobel Laureate 2007, Economics

Dr. Jack Szostak, Howard Hughes Medical Institute, Professor of Genetics, Harvard Medical School, Professor of Chemistry and Chemical Biology, Harvard University, Alex Rich Distinguished Investigator, Massachusetts General Hospital, Nobel Laureate 2009, Physiology/Medicine

10:30 - 10:45 a.m. **Break**

Panel 2

10:45 - 11:45 a.m. **Strategies for a Start-Up Business — Moderator: Mr. Brad Hargreaves, USABO '03 & '04**

Dr. Robert E. Curry, General Partner, Latterell Venture Partners

Mr. Juan Enriquez, Managing Director, Excel Venture Management

Mr. Gregory M. Gunn, Entrepreneur in Residence, City Light Capital

Dr. Tom Leighton, CEO & Chief Scientist, Akamai Technologies, Inc.

11:45 a.m. - 1:00 p.m. **Lunch**

Panel 3

1:00 - 2:00 p.m. **Future of Funding for Academic Research — Moderator: Dr. Channing Yu, RSI '88**

Dr. Olgica Bakajin, Chief Technology Officer, Porifera, Inc.

Dr. Mary DeLong, Assistant Dean, Postdoctoral Education, Emory University School of Medicine; Former Director of Graduate Program Partnerships, Office of the Director, NIH

Dr. Stacey Donnelly, Director, Sponsored Research and Planning, The Broad Institute of MIT and Harvard

Panel 4

2:00 - 3:00 p.m. **Global Trends in STEM — Moderator: Dr. Archon Fung, RSI '85**

Dr. James C. Ellenbogen, Chief Scientist, Nanosystems Group and Emerging Technologies, The MITRE Corporation

Dr. Banning Garrett, Strategic Foresight Senior Fellow for Innovation and Global Trends, Brent Scowcroft Center on International Security

Mr. Sean Kanuck, National Intelligence Officer (NIO) for Cyber Issues, National Intelligence Council, Office of the Director of National Intelligence

Dr. Noreen Hynes, Director, Geographic Medicine Center, Division of Infectious Diseases, Johns Hopkins University School of Medicine

3:00 - 3:20 p.m. **Break**

Rickoids Talk

3:30 - 5:00 p.m. **RSI & USABO Alumni Talks**

Reception and Dinner

6:30 - 7:15 p.m. **Reception - Sponsored by Two Sigma**

7:30 - 10:00 p.m. **CEE Celebration Dinner**

--- SUNDAY, OCTOBER 27 ---

9:00 a.m. - 12:00 noon **RSI & USABO Alumni Meeting**

CEE Celebrates in Cambridge, Massachusetts (from page 1)

Joann DiGennaro, CEE's President, spoke about the Center for Excellence in Education's legacy, provided glimpses of young alumni experiences, and looked to the future. After receiving a standing ovation, Ms. D., a name fondly given to her by the Center's alumni, looked out at the audience and said, "I see friends and alumni of the Center, and I pause with immeasurable gratitude and pride."

The event drew to a close with Admiral Rickover's famous interview with Diane Sawyer, 60 Minutes Correspondent. It was a perfect way to end 30 years of inspiration and success. ♦

30 Outstanding Alumni in STEM & Business



CEE honored 30 Outstanding Alumni (Research Science Institute and USA Biology Olympiad) for academic and professional excellence in science, technology, engineering, mathematics, and business. Mr. Ray Kubacki, CEE Trustee, was Master of Ceremonies, and Mr. David Leighton, Charter Member of the Center for Excellence in Education's Board, presented the distinguished alumni with their awards during the dinner event on Saturday evening. Notable alumni received a crystal statuette engraved with their name, program, and year of attendance. Mel Chaskin, CEE Chairman, Joann DiGennaro, CEE's President, and Maite Ballestero, Vice-President of Programs, extended special congratulations to each of the recipients.

Alumni Honored for Academic and Professional Excellence (In alphabetical order)

- Mr. Pehr C. Anderson, RSI '91**
Vice President, Platform Technology, HaGen
- Dr. Olgica Bakajin, RSI '91**
Chief Executive Officer, Porifera, Inc.
- Mr. Judson Bowman, RSI '98**
Founder and CEO, Appia, Inc.
- Dr. Frederick Y. Chen, RSI '86**
Director, Cardiac Surgery Research Laboratory
Brigham and Women's Hospital
- Dr. Shamik Das, RSI '94**
Principal Engineer & Group Leader, The MITRE Corporation
- Dr. Jeremy England, RSI '98**
Assistant Professor of Physics, MIT
Principal Investigator at England Lab
- Dr. David Goldhaber-Gordon, RSI '89**
Professor of Physics, Stanford University
- Mr. Gregory Gunn, RSI '86**
Entrepreneur in Residence, City Light Capital
- Mr. Bradford Hargreaves, USABO '03 & '04**
Co-Founder and Chief Product Officer, General Assembly
- Dr. Janice Hudgings, RSI '86**
Vice President for Academic Affairs, Pomona College
- Dr. Shamit Kachru, RSI '86**
Professor of Physics, Stanford University
- Mr. Mark Kantrowitz, RSI '84**
Senior Vice President and Publisher, Edvisors
- Dr. Aaron S. Kesselheim, RSI '91**
Asst. Prof. of Medicine, Harvard Medical School & Director, Program on Regulation, Therapeutics, and Law (Portal)



CEE's recognition to 30 Outstanding Alumni in STEM & Business.

- Dr. Jason L. Koh, RSI '85**
Chairman, Orthopedic Surgeon, Northshore University HealthSystem
- Dr. Scott D. Kominers, RSI '04**
Junior Fellow at Harvard Society of Fellows
- Dr. Kevin McFarland, RSI '84**
Professor of Physics, Rochester University
- Dr. Lauren Ancel Meyers, RSI '90**
Professor of Integrative Biology, University of Texas, Austin
- Dr. Michael D. Mitzenmacher, RSI '86**
Professor of Computer Science and Area Dean, Harvard University
- Dr. Joel E. Moore, RSI '90**
Professor of Physics, University of California, Berkeley
- Dr. David Reich, RSI '91**
Professor of Genetics, Harvard Medical School
Principal Investigator at Reich Lab
- Dr. Ingrid Repins, RSI '84**
Senior Scientist and Principal Investigator
National Renewable Energy Laboratory
- Mr. Benjamin Silbermann, RSI '98**
Co-founder & Chief Executive Officer, Pinterest
- Dr. Christopher M. Skinner, RSI '88**
Professor of Mathematics, Princeton University
- Dr. K. Soundararajan, RSI '89**
Professor of Mathematics, Stanford
- Dr. Terence Tao, RSI '89**
Professor of Mathematics, UCLA
- Dr. Alice Ting, RSI '91**
Associate Professor of Chemistry, MIT
- Mr. Sujay Tyle, RSI '08**
Chief Operating Officer, Developer Auction
- Mr. Karl Wirth, RSI '88**
CEO & Founder, Evergage
- Dr. William Yang, RSI '85**
Professor, Center for Neurobehavioral Genetics, UCLA
- Dr. Feng Zhang, RSI '99**
Assistant Professor, Department of Brain & Cognitive Science, MIT
Core Member of the Broad Institute



CEE is a recipient of the prestigious Charity Navigator "Four Star" rating signifying that it exceeds industry standards in financial health, accountability, and transparency.

CEE Recognizes Leaders in Education

The Center's Achievement Medal for Leadership and Commitment to Excellence in Education was bestowed by Mrs. Betty Dranow, CEE Board of Trustees and President of the Dranow Family Foundation, to three awardees at the formal dinner presentation on Saturday, October 26th in Cambridge, Massachusetts. Mrs. Dranow was one of five esteemed inaugural recipients of this prestigious award at CEE's 25th Anniversary Celebration in 2009.

CEE Awarded the Medals to the following:

Mr. Nicholas Gouletas, Chairman of the Board, American INVSCO,



is a renowned entrepreneur. He has been a steadfast supporter of the Center for Excellence in Education and has served on CEE's Board of Trustees since

1994 with exceptional philanthropic generosity. Mr. Gouletas has been an advocate for the Research Science Institute and USA Biology Olympiad. He has also hosted numerous events for the Center's alumni in Chicago, Illinois.

Dr. William Stuart, Assistant Professor, Department of Anthropology, University of Maryland, College Park,

is a dedicated educator and champion of talented students around the globe. In 1982, Dr. Stuart began his long association with the Center for Excellence in Education as the Founding Director of the Research Science Institute. Since then, he has been an invaluable asset to CEE by serving as Founding Director of the USA Biology Olympiad and Founding Director of the Research Science Institute in Saudi Arabia.



talented students around the globe. In 1982, Dr. Stuart began his long association with the Center for

Rickoids Talk

The talks by Rickoids were "standing room only" sessions where alumni of the Research Science Institute (RSI) and the USA Biology Olympiad (USABO) discussed exciting and cutting edge work in science and technology. The sessions engaged the alumni community to share ideas and thoughts with other kindred STEM leaders. To view the Rickoids Talk, please visit www.cee.org. ♦

Rickoid Name	Title of Talk
Dr. Pam Rajendran Taub, RSI'93	"Dark Chocolate and its Cardiovascular Benefits"
Dr. Shamik Das, RSI'94	"Nanocomputing"
Mr. Piotr Migdal, RSI'05	"Bottom-Up Approach in Education and Science"
Mr. Akhil Mathew, RSI'09	"Science, Activism, and Fossil Fuel Divestment"
Dr. Soham Roy, RSI'86	"Operating Room Fires and Safety in the OR"
Dr. Matthew Cain, RSI'97	"Why You Should Have Gotten More Sleep at RSI, But Why It Might be OK That You Didn't"
Mr. Brad Hargreaves, USABO '03 & '04	"Innovation in Education: The General Assembly Story"
Ms. Theresa Loong, RSI'89	"Telling Stories with Pictures: Documentaries, Games, and Transmedia"
Mr. Eric Chung, RSI'91	"Decision Making under Uncertainty"
Mr. William Scripps Beebe, Jr., RSI'95	"Scaling the Internet Routing Tables"
Ms. Jinger Zhao, RSI'99	"The Intersection of Technology, Statistics, Cognitive Science, and Markets"
Mr. Yuetian Xu, RSI'04	"Silicon and Brains: A Parallel Computing Adventure"
Mr. Mark Kantrowitz, RSI'84	"Solving Society's Problems is a Fertile Source of Research Problems"
Mr. Shiv Gaglani, RSI'05	"Learning by Osmosis: A Rickoid's Journey into Educational Technology"
Dr. Aaron Kesselheim, RSI '91	"I Want a New Drug: FDA Approval of New Prescription Drugs on the Basis of Very Limited Data"
Mr. Siddhartha Jena, RSI'11	"My Experience at RSI in 2011 and How the Experience Shaped my Mindset About Science, Achievement and Academics in Science, and Most Importantly the Broader Topic of Global and Rural Education" ♦

Ms. Jane Zhang, Chief Strategy Officer, Circle Pleasure,



has worked extensively to expand educational ties between China and the United States.

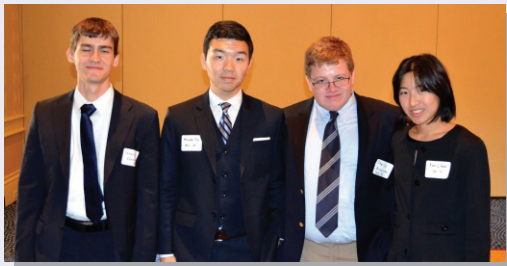
She recognized early the striking success achieved by RSI and worked to create

the Research Science Institute (RSI) at Fudan University in Shanghai, China. For over ten years, she has funded two students from Shanghai to attend RSI at MIT. Ms. Zhang previously served as President and CEO of the Shanghai Wall Street Strategy Advisors. She completed her undergraduate studies at Fudan University in Shanghai, and she was one of the first two Chinese students selected for a MBA program at Georgetown University. ♦

Memorable Moments CEE's 30th Anniversary Celebration



Memorable Moments
(from page 5)





Research Science Institute (RSI)

Fifty U.S. and thirty international scholars were competitively selected to attend the 2014 annual Research Science Institute (RSI), a six-week summer STEM program that combines on-campus course work in theory with off-campus STEM research from June 22 – August 2. The Institute is offered in partnership with the Massachusetts Institute of Technology (MIT).

The Center received over 1,100 applications for the prestigious RSI 2014 program. The RSI Selection Committee, comprised of professional educators and RSI alumni, convened at the Center for Excellence in Education (CEE), to select participants to attend the nationally recognized program. Students selected for RSI are exemplary as based on the following criteria: high school records, personal essays, standardized test scores, teacher recommendations, research experience, potential for leadership, and honors and awards in math and science. ♦

RSI Alumni Gatherings

Research Science Institute alumni gathered on the east and west coasts during the month of January 2014. A fantastic event took place at Jane Street Group, LLC in New York City which was graciously hosted by Brett Harrison, RSI'05 and Software Developer at Jane Street. Alumni gathered in the San Francisco Bay Area where Ben Silbermann, RSI'98 and Co-Founder and CEO of Pinterest, hosted Rickoids.

Joann DiGennaro (Ms.D), CEE's President, and Maite Ballesterro, Vice-President of Programs, enjoyed the exhilarating alumni events for camaraderie and meeting with "old" and "new" Rickoids. ♦



RSI Alumni at Jane Street Capital.



Dr. Olgica Bakajin RSI'91, Rich Simon RSI'86, Ms. D, Ben Silbermann RSI'98, and Dr. Joel Moore RSI'90 at Pinterest in San Francisco.

ALL IN THE RSI FAMILY

CONGRATULATIONS to David Liu RSI'09 and Co-Founder of VisualGraph, on his firm's acquisition by Pinterest, co-founded by Ben Silbermann, RSI'98.

Since CEE began sponsoring the USABO, every member of "Team USA" has medaled at the International Biology Olympiad (IBO). All four members of Team USA in the years 2004, 2007, 2008, 2009, 2011, 2012, and 2013 were awarded gold medals. Team USA achieved the coveted Number 1 position in the world in 2011 and 2013.

USA
BI Olympiad
2014

The 12th annual USA Biology Olympiad (USABO) National Finals will take place at Purdue University from June 1 to 15, 2014. The USABO, jointly sponsored with Purdue University, enriches the life science education of nearly 10,500 talented students annually. It provides free of cost skills training, curricular resources, and motivation to take students beyond their classroom experience to the level of national and international competitiveness.

Ms. Kathy Frame, Director USABO and Special Projects, Center for Excellence in Education, and Dr. Clark Gedney, Director, Bio Media Center for Instructional Design, Purdue University, report that 43 states have schools registered for USABO 2014.

The USABO has stimulated the intellectual curiosity and critical thinking skills in biological reasoning of approximately 85,000 students since 2003. ♦



Michael Davis, Interim Vice President at Wilbur Wright College, shares a liquid nitrogen experiment with teachers at the Chicago TEP Bite of Science session at Roosevelt University.

Teacher Enrichment Program

The mission of the Teacher Enrichment Program (TEP) is to assure a future, talented and diverse U.S. workforce in science, technology, engineering and mathematics (STEM). This program is available cost-free to urban and rural high school science teachers to strengthen their professional development of science in the classroom. TEP has been launched in Indiana, Illinois, California, Texas, and Virginia and will be inaugurated in Florida and in South Carolina in 2014. TEP is comprised of six components: the Clearinghouse, Bite of Science, the Lab Bench, CEE Blog, Teacher Roundtables and Public/Private Partnerships.

Thirteen Bite of Science professional development sessions were held in California, Illinois, Indiana, Texas and Virginia in 2013. Over 275 science teachers attended the sessions, ultimately providing content and resources to over 37,675 students. Speakers were from Ball State University, Baxter Bioscience, Cedars-Sinai Medical Center, Chevron, Chrysler Group, Dominion

Resources, General Atomics, George Mason University, Houston Methodist Research Institute, Indiana University-Kokomo, Motorola Solutions, National Institute of Aerospace, NSW-Crane, OriginOil, Rolls-Royce Corporation, SpaceX, STIMULUS Engineering, The Field Museum, The MITRE Corporation, Trinity University, UCLA, UCSD, Virginia Commonwealth University, and Wilbur Wright College.

TEP also hosted three Teacher Roundtables in Virginia featuring exemplar educators who shared their STEM teaching strategies as well as provided attendees with a variety of professional development resources available at national and international levels. CEE was pleased to host Albert Einstein Distinguished Educator Fellows and Presidential Awardees for Excellence in Mathematics and Science Teaching (PAEMST). These sessions were held at Northern Virginia Community College in Manassas, the National Institute of Aerospace, and Norfolk Public Schools' Norview High School. ♦

EXCELLENCE ~ LEADERSHIP ~ COMMITMENT
Center for Excellence in Education

CEE Capital Campaign

At the 30th Anniversary of the Center for Excellence in Education, an Alumni Capital Campaign was kicked-off with a goal of \$200,000 from October 1, 2013 through January 31, 2014. The alumni's tremendous efforts led to a successful campaign by raising over \$208,000.

The funds from the Campaign are for CEE's Endowment to help keep the Center's RSI cost free for future aspiring scientists, researchers, innovators and leaders in science, technology, engineering, and mathematics.

The Class of 1990 raised the most funds – \$54,931, and will have a 2014 RSI Scholar named in its honor. The class of 1998 had the highest participation rate – 52.50%, and will sponsor the students 4th of July trip to the Esplanade to listen to the Boston Pops and view fireworks.

The Center thanks all generous Alumni contributors to the Capital Campaign. ♦

"Of all virtuous people, the generous are perhaps the most beloved."

Source: Nicomachean Ethics by Aristotle.

CONGRATULATIONS to RSI and USABO Alumni for having been named in Forbes Magazine, "30 Under 30."

- Brad Hargreaves, USABO '03 & '04, and Co-Founder of General Assembly
- Adam de la Zerda RSI '02, Assistant Professor of Structural Biology, Stanford University School of Medicine
- Axel Hansen RSI '08, Co-Founder of Newsle

Recognition of Donors

Special thanks and recognition is given to Donors who have shown support of the Center for Excellence in Education. Through Donor generosity, CEE's programs assure leadership and excellence in science, technology, engineering, and mathematics.

More than 30 Gifts

Lockheed Martin Corporation
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10 - 15 Gifts

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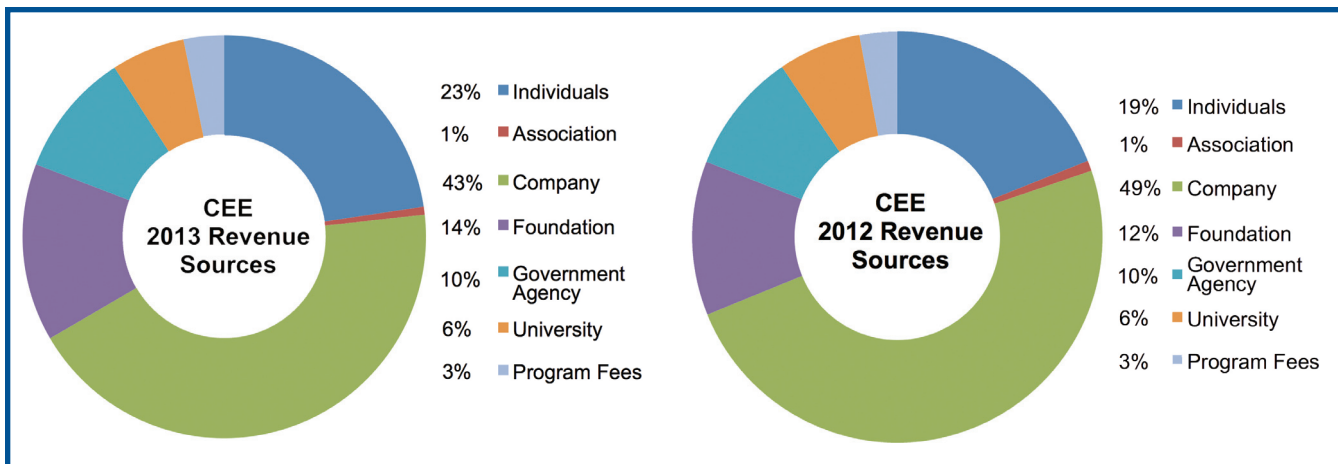
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