Welcome to the 2017 – 18 Chicago Council on Science and Technology annual review. We are proud to live in a city with world class institutions and where groundbreaking work takes place. We feature researchers, thinkers, and innovators from institutions across Chicagoland, and introduce their work to members of the public from all walks of life.

We would like to give special thanks to Illinois Tool Works Foundation, the John and Joanne Rowe Foundation, and the Brinson Foundation for their continued financial support. We would also like to thank our newest supporter, the Astellas USA Foundation.

Here at C2ST we have continued to expand the programming offered by trying different formats, venues, and media. Thanks to these efforts, the 2017-2018 fiscal year had the highest number of programs to date. One of our feature programs was a lecture in partnership with the Astellas USA Foundation.

Astellas USA Foundation.

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“We have continued to expand our programs for the 2018-2019 fiscal year and one of our new formats includes a collaboration with the Chicago Parks District, as well as a new series, “Science in the Parks.” This partnership will include new venues such as Horner Park and the South Shore Cultural Center and will promote programs that are family friendly. We have also revitalized our Science + Cinema initiative and will work in partnership with Columbia College.

Thank you to everyone for helping us to make this a successful year. Your support is vital to science outreach in the Chicagoland area and we look forward to seeing you at our upcoming programs.

Krisztina Eleki, Executive Director

Why C2ST Matters to Me

“C2ST serves as a vital resource to our community for perpetuating knowledge about the importance of science and technology in our daily lives. It is easy to take for granted special medications, diagnostic tests, cell phones, alternative sources of energy and more - but decades of research have been devoted to these advancements that allow us to enjoy the fruits of dedicated scientists. Now, we have a responsibility to train the next generation of innovators, and C2ST plays a major role in this noble goal.”

Mary J.C. Hendrix, President, Shepherd University

“It has been a pleasure for The Leakey Foundation to work with the Chicago Council on Science and Technology to create programs that educate the public about science. Since we first began co-sponsoring programs with C2ST in 2016, our partnership has grown not only in the number and type of events that we produce, but also in the diversity of audiences we reach. It is wonderful to have found a partner whose mission is aligned with our own and whose staff and leadership is so dedicated. The Leakey Foundation looks forward to co-sponsoring upcoming programs with C2ST as we strive to offer Chicagoleans quality educational opportunities that inform and inspire.”

Sharal Camisa, Executive Director, The Leakey Foundation

“C2ST has been instrumental in advancing the public’s understanding of science. The programs are always fun and engaging and meet the needs of those in every age group. I have enjoyed volunteering for C2ST for several years and look forward to helping them spread science knowledge for many more years.”

Zuri McClelland, Support Viutual Lab Manager and Operations Specialist HappiLabs.org
Program Highlights

Our 10th year as an organization saw our biggest programming year, yet! With 32 public STEM programs, we had something new to learn for even the most well-rounded science connoisseur. In the fall of 2017 our topics ranged from museum collections, to baking with math, to mental health, to the new frontiers of physics. Our spring of 2018 calendar boasted several high school and science fair events, a mishmash of science and comedy, an event on the future of trees, the present and future of personalized medicine, and that’s just to name a few! This year we truly had something for everyone!

Science in a Bottle

Researchers from Fermilab showed us the smallest of marvels and recorded one of our most popular programs this year. The frontiers of physics never looked so bright!

Thank you to everyone who supported us at the C2ST Lagunitas Social. It was a fun evening filled with laughter, networking, prizes, great craft beer and delicious tacos! The evening was emceed by C2ST’s Artist in Residence and writer/producer, science commentator and all-around funnyman, Aaron Freeman. We had almost 100 of Chicago’s greatest science enthusiasts (in our opinion) mingle and make cross-disciplinary connections at THE TapRoom at Lagunitas Brewing Company.

Our first program in partnership with the Morton Arboretum focused on the effects of climate change on our nation’s trees and how Illinois will be affected.

A panel of industry, clinical and research experts filled us in on the ever-evolving topic of personalized medicine.

Bernard Wood, Ph.D., and professor at George Washington University surveyed the history of attempts to find the earliest members of the genus Homo.

Lance Grande, PhD, of The Field Museum, regaled our audience with stories of daring acquisitions in the exciting world of specimen and artifact wrangling.

Our Women in STEM annual event this year focused on unconscious bias. We heard from experts from the academic, industry, and government points of view.

With our “New Developments of Mental Health” program we highlighted a topic that has been much in the public mind. The three panelists showed us the up-to-date research on an important and diverse topic.

You can find these and many of our other programs on our YouTube channel: youtube.com/user/C2STvideos

C2ST Staff and volunteers ran a booth at Fermilab’s 50th Anniversary Open House.

Our Women in STEM annual event

Women in STEM annual event

C2ST’s Artist in Residence and writer/producer, science commentator and all-around funnyman, Aaron Freeman.
The 2018 fiscal year was studded with amazing moments of science communication for C2ST. We heard from leaders in Chicago’s outreach community on why we do and communicate science and how the arts can help in those efforts. We also expanded our science communication efforts by reaching out to schools, teaching STEM professionals to communicate through comedy, and presenting an analysis of our findings at an international conference.

The Importance of Citizen Science Programs

April 19, 2018 blog post on c2st.org

By Kristen Witte

Citizen Science – no lab coat necessary

Throughout history, citizens have been critical to moving scientific discovery forward. More recently, scientists enlisted everyday subway travelers to swab the surfaces of the New York City subway system in the hopes of mapping microbial diversity throughout the city. Strikingly, the citizen collected data revealed that this interconnected system of trains has a unique microbial signature at each and every station (Ahituvkeloo 2015). The sheer volume of data collected would have been inaccessible without these volunteer citizen scientists.

Not only can citizen scientists reveal unknown stories of the world around us, they can have a substantial impact on social policy. Decades of bird-watching hobbyists collected sufficient data to reveal in 1997 the impact of climate change on a myriad species of birds’ nesting behaviors (Crick 1997).

Venues Matter

Using data from the last four years, we were able to show that offering programs in different neighborhoods of Chicago has diversified our audience in terms of age, education level, and ethnicity.

The results from that study were used as evidence in the Kyoto Protocol to establish that climate change was already having an effect on wildlife, even if humans had yet to feel it (Cooper 2016).

While citizen science is by no means new, the open science movement and the emergence of the Internet of Things drove its rejuvenation (Bonney 2009). Indeed, the expansion of open source publishing and data outlets (i.e. eLife, PLOS, Github, etc.) inspired a new wave of science that blurs the authoritative binary of “scientist and non-scientist” (Graybear 2013; Saraga 2016). In this newly embraced reality, everyone is a scientist regardless of personal, geographical, or socioeconomic background (Garbarino 2016). And that is a really good thing.

Citizen science programs have the potential to reverse the diminution of science by creating inclusive and meaningful experiences where everyone identifies with and has a stake in the scientific enterprise (Garbarino 2016). To reinvigorate science as the forerunner to solving our most pressing social issues, it is our responsibility to intimately involve those who scientific advancement directly benefits – everyone.

- Kristen is a newly-minted Ph.D. with an insatiable curiosity for all things science – the more complex and interconnected the better. While they spent the past 6 years experimenting on the beer-producing, bread-making cells called yeast, they are now pursuing their passion to cultivate enthusiasm for scientific curiosity in the general public. You can find them nerding out at museums, the library, or other C2ST events.

References: check the full blog post on www.c2st.org/blog/
On February 20, 2018, the Chicago Council on Science and Technology hosted a 10 Year Anniversary celebration, featuring speaker John Rowe, in partnership with the Field Museum and the Magnett Corporation. The evening consisted of a lecture and a dinner for approximately 70 guests.

John Rowe is the Chairman Emeritus of Exelon Corporation and is highly active in the Chicagoland area, serving as the Chairman of the Board of Trustees of the Illinois Holocaust Museum. He has also chaired or been a member of several boards of Chicago institutions and has been recognized as Humanist of the Year. His lecture highlighted the rewards and challenges of investing in scientific and educational institutions and the benefits of investing in communities even when outcomes and impact are uncertain.

C2ST was proud to celebrate our first 10 years, and we look forward to the decade to come. We thank everyone C2ST was proud to celebrate our first 10 years, and we even when outcomes and impact are uncertain.

In institutions and the benefits of investing in communities.

Dr. Kevin F. McGuire, Chairman of the Board of Trustees of the Illinois Holocaust Museum and the Magellan Corporation. The evening consisted of a lecture and a dinner for approximately 70 guests.

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On May 3, 2018, the Chicago Council on Science and Technology hosted its eighth annual gala, Science in the City, at mHUB. The evening was hosted by C2ST’s Artist in Residence, Aaron Freeman, amid a busy manufacturing facility, 3D printers, and a cocktail-style reception.

About 200 attendees celebrated the vibrant local science landscape, and we honored two individuals with an Advancing the Public Understanding of Science & Technology Award by awarding a Lifetime Achievement Award as well as a Young Professional Award. The Lifetime Achievement was awarded to Ann Lurie, a philanthropist and president and treasurer of the Ann and Robert H. Lurie Foundation. The Young Professional award went to Emile Cambry, Jr., founder of entrepreneurship incubator BLUE1647, film producer, and president of the Chicago International Social Change Festival. A huge thank you to our awardees for their incredible support of science and technology outreach in Chicago!

The event included a silent auction, raffle and grab bags. We thank everyone who supported us, joined us at the event, and helped make Science in the City a success!

**In-Kind Donations**

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<th>In-Kind Donations</th>
<th>John Baldoff Photography</th>
<th>KOVAL Distillery</th>
<th>Lagunitas</th>
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<th>Lyric Opera</th>
<th>Magellan</th>
<th>Masek Makey</th>
<th>Math For Love</th>
<th>Morton Arboretum</th>
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**Volunteers**

- Nia Chiamas
- James Hopkins
- Janet McMillan
- Sandy Morganstein
- Ed Sampedro
- JoAnn Thissen

**Urban Leaders Sponsorship**

- Argonne National Laboratory
- Alan Schriesheim & Kay Tonkin
- Magellan Corporation
- AbbVie Foundation
- Ann Lurie
- Joseph and Bessie Feinberg Foundation
- Crown Foundation

**Community Connector Sponsorship**

- Illinois Institute of Technology
- Ann and Robert H. Lurie Children’s Hospital Chicago
- John & Pat Anderson
- Mary Hendrix & Chuck Craft

**Event Benefactor**

- mHUB
- Museum of Science and Industry
- Loyola Medical School
- ARCS Foundation-Chicago

**Gala Patron**

- Marina Damiano
- Gastrone & Linda Celesia
- Jon Miller
- Dawn Miller

**In-Kind Donations**

- Dennis Bartolomei Salon
- Douval Brewery
- EI’s Cheese
- Empirical Brewery
- Escape Artistry
- Escape Reality
- FEW Spirits
- Gene Siskel Film Center
- Goose Island
- Hyde Park Art Center
- I/O Theater
- Invenery
- Jeni’s Ice Cream
- Pumping Station: One
- Science Naturally
- Shakespeare Theater
- Shedd Aquarium
- SPIN
- Story Studio Chicago
- The Clutter Curator
- The Field Museum
- The Great Escape Room Chicago
- Untouchable Tours
- Wines for Humanity

**Ann Lurie** received The 2018 Lifetime Achievement Award for Advancing the Public Understanding of Science and Technology.

**Emile Cambry Jr.** received The 2018 Young Professional Award for Advancing the Public Understanding of Science and Technology.
Thank You For Your Support

The Chicago Council on Science and Technology would like to extend our many thanks to those who provided us with funding that ensured we produced quality and engaging programming to the Chicagoland area.

$25,000+
Illinois Institute of Technology (In-Kind)

$20,000 – $25,000
Alliance Exelon Corporation

$10,000 – $19,999
Argonne National Laboratory
The Field Museum (In-Kind)

$1,001 – $9,999
John and Patricia Anderson
Ann & Robert H. Luria Children’s Hospital of Chicago (In-Kind)

$101 – $249
Alex Arcus
Dennis Grabowski

President’s Council—$1,000
Phil and Marsha David
Gossa Glowacka

Leadership Council—$250 – $999
Adam Arcus
Anna Dorthia Asimes

$101 – $249
Mark Bettin
Alan Kasper

$10 – $100
Malika Addock
Nache Adler
Haripind Armani
Kendall Alexander
Alliance France de Chicago
Ron Anderson
Darlene Attaah
Katia Back
Francoise Bailey
Stanley Banks
John Beal
Parker Bennett
R. Stephen Berry

Thank You to Our Volunteers

Chicago Council on Science and Technology relies on the generosity of people who donate their time and talents to our organization. We are especially grateful to Katie Ahmed, Nia Chiamas, James Dolan, Sabrina Fisko, Rosanna Granata, James Logdon, Facelia McCreas, Janet McMillan, Sandy Morganstein, Hunter Rogers, Ed Sampedro, Zhang Wang, and Kristen Witte for volunteering at multiple events over the past year. In addition to working at the events, Fisko serves on an advisory committee, Witte contributes to C2ST’s blog and Wang donated his photography to our organization. Our volunteers have donated over 150 hours to C2ST in the 2017-18 fiscal year. We would also like to thank our Auxiliary Board members (see page 2) for their time, talents and enthusiasm to our mission.

If you would like to help our organization, we welcome your support. Please contact us at info@c2st.org.
C2ST By The Numbers

The following revenue and expense charts are comprised of financial information from our fiscal year between July 1, 2017 and June 30, 2018.

For our official financial documents please find our information on www.guidestar.org.

Support and Revenue

- Contributions
- In-Kind
- Special Events

Expenses

- Programming
- Administrative
- Fundraising & Membership

Support and Revenue

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Expenses

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Change in Net Assets

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JOIN US IN 2019 — IN-PERSON AND ONLINE!

Produced 32 programs, consisting of 65 hours of programming

Hosted 89 experts, both local and international

Programs were attended by 4000 people, either in person or through online streaming

74 cents of each dollar was spent on delivering quality programming

Recordings of our programs and highlight videos were viewed over 20,000 times on our YouTube Channel

95% agree that C2ST is a source of valuable and relevant science information

2017-18 Program Stats

JOIN US IN 2019 — IN-PERSON AND ONLINE!

View our programs on our YouTube channel: youtube.com/user/C2STvideos

Follow us on Twitter: twitter.com/C2ST

Join our LinkedIn group: https://www.linkedin.com/company/1871649/

Like us on Facebook: facebook.com/C2ST1 facebook.com/WomenInScience2012

Visit us at: c2st.org
C2ST is a 501(c)3 nonprofit organization.
Contributions are tax-deductible to the extent allowable by law.