

**JULY 23-29
ROME, NY 2023**

THE FUTURE IS YOU!



ADVANCE PROGRAM

**5TH ANNUAL
PROJECT FIBONACCI®
STEAM LEADERSHIP CONFERENCE**



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 ProjectFibonacci.org

 315.527.6030

 PO Box 424
Rome, NY 13442-0424



GRIFFIN

CHARITABLE FOUNDATION

THE GRIFFIN CHARITABLE FOUNDATION'S MISSION IS
TO CELEBRATE THE LEGACY OF THE GRIFFIN FAMILY
BY ENHANCING THE QUALITY OF LIFE IN ROME AND
THE SURROUNDING COMMUNITIES.



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"The Earth without Art is just eh."
-Demetri Martin

THE MISSION OF PROJECT FIBONACCI®

The Project Fibonacci® Foundation, Inc. is a 501(c)(3) non-profit organization that provides a series of immersive learning programs on STEAM topics in cooperation with local schools, businesses and non-profit organizations.

Our year-round initiative is focused on STEAM leadership education with an entrepreneurial focus to engage scientific and artistic critical thinkers in working together to solve complex STEM problems impacting society.

Our program is further intended to grow the STEM workforce in a new way--by tapping into artistic creativity to spur technological innovation, catalyze workforce preparedness, and contribute to economic development on a broad scale.

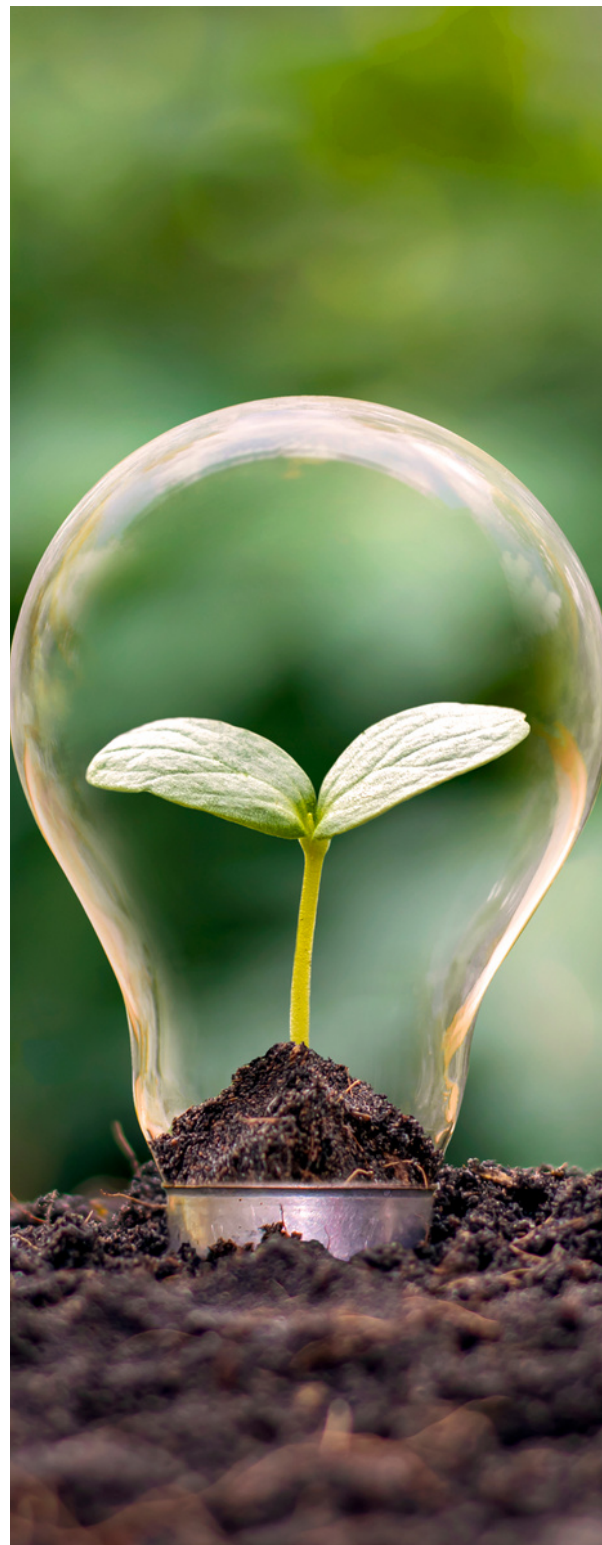
We use the ARTS to grow tomorrow's STEM workforce, to cultivate a mindset of limitless possibilities, and guide the development of an inclusive cohort of diverse critical thinkers to tackle complex STEM problems, address future societal-technological challenges, and act as an AGENT to promote the creation of ecosystems for community revitalization and economic prosperity.

OUR MISSION

To introduce our youth to a culture of interdisciplinary STEAM learning, teaching them to become creative, independent leaders of community resurgence.

OUR VISION

Enriched STEAM Communities Driving a Modern Renaissance



MESSAGE FROM THE CHAIRPERSONS

Welcome to a week of thinking differently!

We would like to extend a warm welcome to the STEAM scholars, educators, business and community leaders, volunteers and facilitators attending the 2023 Project Fibonacci® STEAM Youth Leadership Conference. This is our Fifth annual summer conference. We have had a wonderful team planning and preparing to get ready to welcome you all! We are so excited to be back! For one amazing week, scholars will be immersed in a culture of interdisciplinary STEAM learning that is focused on innovation, while tapping into artistic creativity.

The theme of this year's conference, Adapting to Climate Change: Sustaining our Planet, Its Oceans and the Global Population, is both timely and important. Scholars will discuss global warming, attend workshops on energy density and learn to use Janusian thinking to address food and water conservation. The effects of geoengineering and carbon neutrality, along with potential unintended consequences, will be explored and discussed. In addition, a special STEAMPunk art project with Bruce Rosenbaum will be used to introduce Janusian methods of creative thinking.

Scholars will interact and collaborate with one another to solve complex STEM problems that are relevant and currently impacting society. We need imagination, creativity and determination to take us farther than we have ever gone before. Scholars are exposed to big problems and empowered to think of themselves as part of the solution.

We have experts in the field of climate change joining us to share their knowledge and experience - Author, "Symphony in C", and scientist - Robert Hazen has extensive knowledge of the Carbon cycle and global warming, both its known/unknown sources; ABC Good Morning America's Chief Meteorologist, Ginger Zee will share her passion for our planet and share her experiences traveling to areas of the world affected by climate change; Galen Treuer, Director of Climate Tech & Economic Innovation Miami Dade County Florida will present a real world use case; SUNY ESF and Cornell Cooperative Extension speakers will conduct important workshops, Science Bob and many more will complete the weeks adventure.

The "Fuel your Future Fair" is a fantastic opportunity for scholars to explore potential career paths. For some, this may be a first experience in networking, as well as an opportunity to develop professional relationships. 'Ikigai' is a Japanese term, which means, reason for being. We are not preparing scholars for something, rather we hope to prepare them for anything.

We wish to extend our gratitude to the exceptional committee and team of dedicated individuals who have helped to make this conference possible. We want to thank our sponsors and supporters who are noted throughout this program. Thank you for joining us on our journey to the future!

Bob Bojanek

Conference Co-Chairperson



Tamalin Martin

Conference Co-Chairperson



Daily Schedules are Subject to Change - Tentative Times & Venues Subject to Change



"A good planet is hard to find."
-Robert Swan

ATTENDING IS AS EASY AS 1, 2, 3

1

NOMINATION

Have a teacher, professor, family member, or mentor nominate you to attend.
New for 2023: Students can self-nominate! Accepting students ages 14-18

2

ACCEPTANCE

The Project Fibonacci® Foundation, Inc. Admissions Board will carefully review each nomination. Upon review, accepted students and their families will receive further information via email/mail.

3

REGISTER

Register to reserve your spot at the conference! Registration will provide our team with additional information (dietary restrictions, preferred roommate, interests)

Once you register, you will be eligible to receive tuition assistance! Over 90% of our 2019 STEAM Scholars received tuition assistance to attend the conference,

REGISTER TODAY HERE:



“

Project Fibonacci is a place for me to meet other people who are like minded, to help me focus on what fields I want to go into, or other fields just to see their journey and learn about what others did...Over the last 3 years I learned a lot from the projects, like developing new skills to adapt to challenges. My favorite part was working with my teams, brainstorming, and being immersed in how our ideas would play out.

-ALEXANDRA B., STEAM SCHOLAR 2016-2019

”

DAILY SCHEDULE BREAKDOWN

8:00-9:30 AM

Breakfast & Wakeup Workshops

10:00-12:30

Workshops, Special Presentations, Lectures

12:30-1:30

Lunch

1:30-4:00

Workshops Continued

4:00-5:00

Project Development

5:00-6:00

Dinner

6:30-8:00

ESTEAMed Speakers Series (Monday, Wednesday, Special Events Friday)

8:30-10:00

Project Development & Social Options

***"The Earth has music for those who listen."
-William Shakespeare***



Daily Schedules are Subject to Change - Tentative Times & Venues Subject to Change

2023 CONFERENCE THEME

The 2023 STEAM Leadership Conference will focus on the theme of adapting to climate change and sustainability as it applies to protecting the planet, its oceans, and the global population. Scholars from all over New York State and beyond will gather to confront the relevant issues while networking, developing new acquaintances, and exploring the academic and professional opportunities our area has to offer. Scholars will gain perspectives from inspiring leaders, advocates, scientists, innovators, and artistic thought leaders who are at the forefront of combatting the climate crisis.



ACADEMIC ADVANTAGE

STEAM Scholars gain the advantage of adding the completion of the STEAM Leadership Conference to their college applications, giving them an edge that has proved successful for past scholars. Internship opportunities have also been presented by local companies. Our 'Fuel Your Future' college and career fair will be full of local companies, organizations, and educational institutes.

“

Project Fibonacci has helped largely in my college pursuits by exposing me to new career paths and helped me understand what I want to do with my life. I would recommend this program to more students, and I hope my school sponsors more kids in the future.

-MARY B., 2018-2019 STEAM SCHOLAR

”

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NYSTEC

YOUR INDEPENDENT TECHNOLOGY ADVISOR


NYSTEC has served as a trusted technology advisor to local governments since 1996. We help clients plan and manage the acquisition, implementation, and security of their IT systems. Our NYS OGS contract makes it easy to engage us quickly.

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CURRICULUM COMMITTEE



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AFRL/RI



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Science Teacher
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BETH DEBANY
Retired Educator



KYLE BOJANEK
Neuroscientist at the University of Chicago,
PhD Candidate



BRUCE ROSENBAUM
Artist & ModVic Creator



HEATHER WIELAND
Director for Instructional Technology and Data,
Camden CSD



LAUREN FOSSEL
ACE Program Operations
Analyst, Griffiss Institute



MARTHA GROUP
Superintendent
Vernon-Verona Sherrill CSD



"You are a reader, therefore, a thinker, an observer, a living soul who wants more out of this human experience." -Salil Jha

TEAM PROJECT OVERVIEW

The STEAM Scholars will be divided into 5 teams (red, yellow, blue, green, purple). Each color team will produce a 15-minute video and a poster presentation. The video will be used by judges to identify the team that best addresses the conference global warming topic – Adapting to Climate Change Sustaining Our Planet, Its Oceans, and the Global Population. The poster presentations will be judged by the public during closing ceremonies.

Color teams consist of three proposal teams. The first team, Communications Team, is focused on science communication; the second and third team address the core topics of effecting global warming and sustainability. The proposal teams work together to produce their color team video and poster presentations.

A successful project would know their audience and communicate their project plan in an easy-to-understand presentation. The project would have selected an energy / geoengineering solution directly addressing global warming and a food / water sustainability model. The questions presented to each of the proposal teams need not be addressed in a Q & A format, but must be addressed as part of the presentation.

In addition to proposal team questions, each color team must articulate:

- The potential unintended consequences of their approach to global warming
- Their strategy to mitigate risk associated with their approach
- The feasibility of their approach

Our world is home to 1.8 billion young people, making it the largest generation of youth in history. Together, you can make a difference by developing sustainable solutions for a better tomorrow.

VISIT OUR RESOURCE LIBRARY



In addition, team facilitators, STEM experts, and volunteers will be on-site throughout the day to help teams develop their projects.

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PROPOSAL TEAMS

COMMUNICATIONS

The Communications proposal team will focus on science communications and will assist other proposal teams in crafting a global warming and climate change message designed to engage their audience in a critical discussion of this important topic. The communications proposal team's mission is to use the skills it developed during their workshops to assist other proposal teams in answering their proposal team questions and integrating them into a single-color team video message.

Elements to Incorporate:

- Develop and integrate into their project, a strategy to communicate global warming and resulting climate change to a potentially skeptical public.
- Articulate to their community why they should, or should not be, concerned about global warming.
- Use facts to communicate their project strategy.
- Use emotion to communicate their project strategy.

ENERGY / GEOENGINEERING

The energy / geoengineering proposal team will focus on energy production, energy density and the potential of geoengineering. The proposal team's mission is to use the skills it developed during their workshops to address the proposal team questions and integrate their answers into a single-color team video message.

Questions to consider:

- How does the generation, storage and transport of power impact global warming?
- How do you recommend we generate the power we use?
- What is your recommended solution for rural areas? Urban areas?
- What is your regional strategy?
- Can we intentionally affect human impact on global warming?
- Should we actively engage in geoengineering?
- When would it be appropriate to engage in geoengineering?

SUSTAINABLE FOOD / WATER

The sustainability proposal team will focus on ensuring a sustainable food and water supply during a period of global warming. The proposal team's mission is to use the skills it developed during their workshops to address the proposal team questions below and integrate their answers into a single-color team video message.

Questions to consider:

- How does global warming impact water systems?
- How does global warming affect distribution of moisture in the atmosphere?
- What is your fresh water reuse and conservation plan?
- How do changing weather patterns affect food availability, supply chain and storage?
- How would you modify growing environment and plants to accommodate climate changes?
- How do climate related changes to the food supply affect nutrition? At what cost?

"Like music and art, love of nature, is a common language that can transcend political or social boundaries." -Jimmy Carter



"The greatest threat to our planet is the belief that someone else will save it."

-Robert Swan

ESTEAMED SPEAKERS SERIES

SPONSORED BY
JIM & ANITA DULAK



DR. ROBERT HAZEN

AUTHOR, SCIENTIST AT CARNEGIE INSTITUTION'S GEOPHYSICAL LABORATORY AND GEORGE MASON UNIVERSITY

Special Workshop Presenter & Keynote Speaker
Monday, July 24

Robert M. Hazen is Senior Staff Scientist at the Carnegie Institution's Geophysical Laboratory and Clarence Robinson Professor of Earth Sciences at George Mason University. He received the BS and SM in geology at the MIT, the PhD at Harvard University in Earth science, and was NATO Postdoctoral Fellow at Cambridge University.

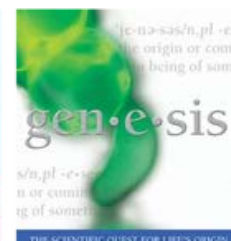
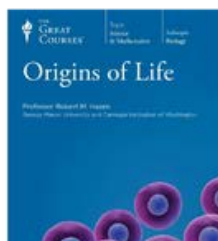
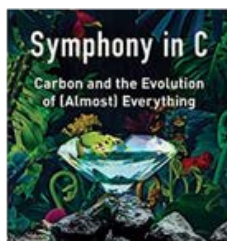
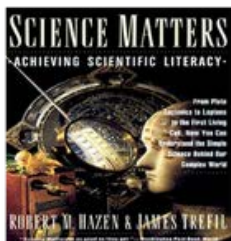
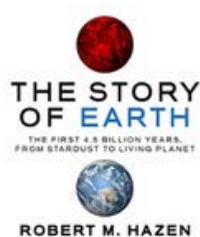
Hazen is author of more than 400 articles and 25 books on science, history, and music. His most recent book is *The Story of Earth* (Viking-Penguin), which was finalist in the Royal Society and Phi Beta Kappa science book competitions. A Fellow of the American Association for the Advancement of Science, the Geochemical Society, and the Geological Society of America, he received the 2016 Roebling Medal, the Mineralogical Society of America Award and MSA's Distinguished Public Service Medal, the American Chemical Society Ipatieff Prize, the ASCAP-Deems Taylor Award, the Educational Press Association Award, and was the 2012 recipient of Virginia's Outstanding Faculty Award. He has presented numerous named lectures and was Distinguished Lecturer for Sigma Xi and MSA, for which he is a past President. The biomineral "hazentite" was named in his honor.

Hazen's recent research in part examines roles of minerals in life's origins, with a focus on mineral-catalyzed organic synthesis and interactions between biomolecules and mineral surfaces. Since 2008 Hazen and his colleagues have explored "mineral evolution" and "mineral ecology"—new approaches that exploit large and growing mineral data resources to explore the co-evolution of the geo- and biospheres.

In 2008 Hazen was named Principal Investigator and in 2011 Executive Director of the Deep Carbon Observatory (DCO), a 10-year effort to achieve fundamental advances in understanding the chemical and biological roles of carbon in Earth (<http://deepcarbon.net>). With significant funding from the Alfred P. Sloan Foundation, the DCO is an international community of more than 1,000 collaborators from 45 countries with total anticipated funding from governmental, corporate, and private sources approaching \$1 billion.

In October 2016 Hazen retired from a 40-year career as a professional trumpeter. He performed with numerous ensembles including the Metropolitan, Boston, and Washington Operas, the Royal, Bolshoi, and Kirov Ballets, the Boston Symphony, the National Symphony, and the Orchestre de Paris. Prior to his retirement he was a member and soloist with the Washington Chamber Symphony, the National Philharmonic, the Washington Bach Consort, and the National Gallery Orchestra.

EVERY STEAM SCHOLARS WILL RECEIVE A FREE COPY OF SYMPHONY IN C



THANKS TO THE GENEROUS CONTRIBUTION FROM JIM & ANITA DULAK!

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ESTEAMED SPEAKERS SERIES

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SHORELINE GROUP



GINGER ZEE

**CHIEF METEOROLOGIST OF ABC NEWS, BEST SELLING AUTHOR,
CLIMATE CHANGE ACTIVIST & MENTAL HEALTH ADVOCATE**

Keynote Speaker
Wednesday, July 26 [@ginger_Zee](#)

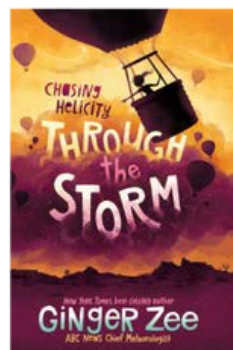
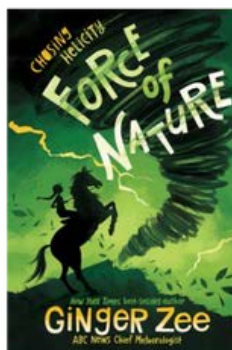
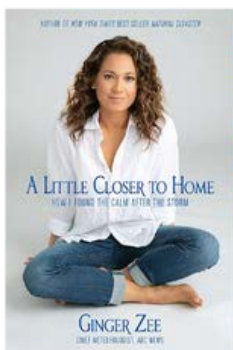
Ginger Zee is the chief meteorologist at ABC News, reporting on the nation's weather on "Good Morning America" and across ABC News broadcasts and digital platforms. Additionally, Zee hosts an ABC News original digital series "Food Forecast" that gives views an in-depth look at how weather and climate impact the food we love.

Since joining ABC News, Zee has covered almost every major weather event and dozens of historic storms. She broadcasted from the devastated Jersey Shore during Hurricane Sandy, the Colorado floods and wildfires, and covered the aftermath from tornados in Moore and El Reno, Oklahoma. In 2013, she covered extreme weather conditions ranging from the Boston blizzard to the record-breaking heat in Death Valley. In 2016, Zee covered Hurricane Matthew and its path along the east coast.

Zee's passion does not stop with storm chasing. Her love of adventure has taken her and ABC News viewers across the world. She has gone para-hawking in Nepal, flown a drone into the fissure of a volcano in Iceland, hiked the largest cave in the world in Vietnam, para-glided from the Himalayas to the Andes, dove with sharks in the Bahamas, rappelled 27 stories down the exterior façade of the Wit Hotel in Chicago. Plus, skydiving, ice boat racing and surfing live on GMA.

Zee, who has storm chased since college has a genuine passion for the atmosphere and a dedication to getting young people interested in science. Zee lends her voice to "Dr. Zephyr Skye" the storm chasing alien of Disney Junior's hit show "Miles from Tomorrowland." Additionally, Zee and her husband, Ben Aaron star in "Renovation Realities: Ben & Ginger" on DIY Network. You might also recognize her from season two of Dancing with the Stars.

The Emmy Award-winning meteorologist attended Valparaiso University and holds a Bachelor of Science Degree in meteorology. She also served as an adjunct professor at the University from 2008-2011. Zee also holds the CBM Seal for Meteorology.



The Shoreline Group

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"We shall require a substantially new manner of thinking if mankind is to survive."

-Albert Einstein

ESTEAMED SPEAKERS SERIES

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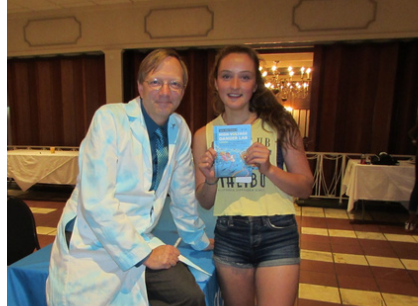


'SCIENCE BOB' PFLUGFELDER

EDUCATOR, AUTHOR & SCIENCE PRESENTER

SCIENCE BOB RETURNS! 2019 PROJECT FIBONACCI SPECIAL PERFORMANCE PRESENTER

Special Presentation
Friday, July 28



"Science Bob" Pflugfelder is a science communicator, teacher, maker, author, and presenter that knows how to make the world of science come alive in a big way. He regularly appears on ABC's "Jimmy Kimmel Live", "Live with Kelly & Ryan", and "The Dr. Oz Show". He has also appeared on "Join Or Die With Craig Ferguson", "Good Morning America", "The Today Show", and others as well as guest starring as himself on several episodes of Nickelodeon's "Nicky, Ricky, Dicky, & Dawn". Pflugfelder has also appeared on television internationally in Japan, Rome, and Singapore.

Pflugfelder shares his excitement of science at many science and maker events including: The World Science Festival, The White House Science Fair, USA Science & Engineering Festival, The Singapore Science Festival, World MakerFaire, and MakerFaire Rome.

His popular "Nick & Tesla" children's book series has encouraged many elementary and middle school students to read and to build their own gadgets. To date, the series has been translated into 10 languages.

Articles on Pflugfelder's experiments have appeared in People Magazine, Nickelodeon Magazine, Emmy Magazine, Popular Science, Disney's Family Fun, and WIRED.



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ESTEEMED SPEAKERS SERIES

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WALKER SMITH

RECENT INDIANA UNIVERSITY GRADUATE, SCIENCE PERFORMER

'The Sounds of Molecules' Special Presentation before Science Bob!
Friday, July 28

Walker Smith (b. 1999) is a 'musical chemist,' whose work combines research, composition, science communication, and performance. Originally from Knoxville, TN, Walker completed dual degrees in Chemistry and Music composition at Indiana University, Bloomington in December 2022. Throughout his undergraduate career, his organic chemistry research has received several prestigious national awards and fellowships, including a Goldwater Scholarship and an American Chemical Society Undergraduate Research Fellowship. When not in the chemistry labs, he was composing musical works for a variety of ensembles and genres—spanning string quartets, solo piano, chamber groups, orchestra, and musical theatre—and has written for major ensembles, including the Cincinnati Symphony Orchestra. While studying spectroscopy alongside electronic music, Walker asked the question, "What would molecules sound like?" He realized that he could combine his interests by converting spectroscopic data of molecules—which shows us the rotational, vibrational, and energetic behavior of molecules—into sounds.

From these sounds, he developed an immersive music/science show, "The Sound of Molecules," which has been presented nearly a dozen times at schools, museums, and conferences across the U.S. and in Europe. In his one-man show, he appears as the characters "Maestro Molecules" and "Roy G. Biv," taking the audience on an immersive audiovisual journey combining surround sound, lights, animations, costumes, and lasers in a "sonic tour of the molecular world." His performance has received national awards and has repeatedly made international headlines in press spanning North and South America, Europe, and South Korea. Walker plans to continue his interdisciplinary research and performances connecting chemistry and music. He has accepted a Fulbright Grant to the Netherlands (2023-24) and a Ph.D. in Computer Music at Stanford University (2024), through both of which he will continue his 'musical chemistry' work.



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SPECIAL WORKSHOP

LIMITED TO ONLY 15 STEAM SCHOLARS!*

STEAMPUNKINETICS: USING JANUSIAN (OPPOSITE) THINKING TO CREATIVELY SOLVE FOR CLIMATE CHANGE

Creating a Vertical Natural Garden with a Mechanical Solar Powered 'Sunflower' Water Irrigation System

STEAM Scholars will work with Bruce Rosenbaum, Steampunk artist and ModVic creator, to learn how Steampunk art and design - the fusion of history + art + technology can help us become better creatively problem solvers, collaborators and be more resilient. Students will also learn how to use Janusian (opposite) Thinking to solve challenges ranging from the small to the earth-scale, planet impact of climate change. Workshop attendees will design and build organic and mechanical vertical gardens integrating a mechanical solar powered 'Sunflower' that can pump water to the garden's plants and foliage.

BRUCE ROSENBAUM

Opening Ceremonies Keynote Speaker & Special Workshop Presenter

Bruce Rosenbaum is an American artist and designer based out of Palmer, MA. He is known for his work in Steampunk design, both in his home, The Steampunk House, and for what has produced by his company, ModVic. Bruce has been called the 'Steampunk Guru' by the Wall Street Journal and the 'Steampunk Evangelist' by Wired Magazine.



Rosenbaum and his wife started ModVic (from Modern Victorian), a Victorian-home restoration company, in 2007. ModVic is a steampunk art and design company that repurposes antiques and salvaged objects by transforming them into useful residential and commercial items.

Projects include his personal computer workstation housed in a Victorian pump organ, a 6-foot mechanical whale for a hotel in Nantucket, Massachusetts, and a late 1800s bandsaw repurposed as a conference table and workstation.



He is also the Chairman of Sharon Historic Commission, Sharon, MA, and a Trustee of the Charles River Museum of Industry & Innovation, Waltham, Massachusetts.

Bruce Rosenbaum and his work have been featured in the *Wall Street Journal*, *Boston Globe*, *The Chicago Tribune*, *The New York Times*, *CNN*, *Huffington Post*, *NPR* and featured on *MTV*, *A&E*, *Discovery* and *HGTV*.

*If you are interested in locking in your spot for this special workshop, please contact Jessica at jgriffin@projectfibonacci.org

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WHAT IS JANUSIAN THINKING?



Janusian Thinking, named after the Roman god Janus who had two faces looking in opposite directions, involves the ability to simultaneously hold two opposing ideas or perspectives in one's mind and find a solution that reconciles the contradictions. This type of thinking can be helpful in solving complex challenges like climate change by promoting creative and innovative approaches to problem-solving.

JANUSIAN THINKING & CLIMATE CHANGE

1

EMBRACE THE CONTRADICTIONS

Climate change is a complex issue that involves multiple factors and trade-offs. Janusian Thinking encourages individuals to accept the contradictions and tensions between different perspectives and find a solution that reconciles them.

2

EXPLORE DIVERSE VIEWPOINTS

Janusian Thinking involves looking at a problem from different angles and perspectives. By exploring a range of viewpoints, individuals can gain a deeper understanding of the problem and identify innovative solutions.

3

COMBINE OPPOSING SOLUTIONS

Janusian Thinking involves combining two opposing solutions to create a new, more effective solution. For example, some individuals may advocate for renewable energy sources like wind and solar power, while others may advocate for nuclear power. By combining these solutions, we may be able to create a more sustainable energy system.

4

FOSTER COLLABORATION

Janusian Thinking promotes collaboration and cooperation between individuals with different viewpoints. By working together, we can develop solutions that take into account the different needs and priorities of different stakeholders.

5

OVERALL

Janusian Thinking can be a useful tool in addressing the complex challenges posed by climate change. By embracing contradictions, exploring diverse viewpoints, combining opposing solutions, and fostering collaboration, we can develop innovative solutions that help to mitigate and adapt to the impacts of climate change.

ADDITIONAL WORKSHOP EXAMPLES

HERE'S JUST A GLIMPSE AT SOME OF THE WORKSHOPS DURING THE WEEK:



YOU CAN GROW: MICROGREENS & UPCYCLING

Cristina Carambia, Underground Greens

Two-Part Workshop! The first workshop, scholars will learn how to sow, grow and harvest microgreens. Participants will also learn how microgreens can help to mitigate some negative impacts of agriculture on the environment. Next, students will decorate utilize recyclable containers to plant your microgreens, plants or seedlings.



CERAMICS & STEAM

Julia Pilny, Artist & Retired Engineer

Scholars will learn how the creation of ceramics embodies all aspects of STEAM and why ceramics is a popular alternative to materials such as plastic. Participants will also be able to create and apply glaze to clay cups that they can take home!



MESOZOIC MARKET

Paul Thornton, The Living Fossil

Channel your inner paleontologist! Scholars will have the chance to break open a geode or a genuine Ammonite fossil.



BEES, BEES, BEES!

Beekeeper Bill Kaufman

Scholars will learn the difference between a wasp and a honeybee and understand their impact on the environment. Understand the necessity of honeybee pollination services in the practice of industrial farming. Learn different methods of interacting with our own environment to help promote diversity in nature.



SOUND FOR THE BODY, MIND, AND SOUL

Debbie Lindon, Peaceful Vibes

Scholars will be given a brief overview of what sound and sound healing is then break into groups to design and build a sound instrument. Scholars will then experience a sound session using both the instructor's instruments and the instruments they designed.



THE POWER OF ART

Cameron Sanborn, C&D Advertising

Scholars will discover that Art (print, media, music...) is a powerful medium and that it has the power to move individuals to social action, manipulate and influence, entertain, and educate.



WONDERS OF ORAGAMI

Mark Radlowski, MVCC

This presentation will cover a broad history of the art of origami, as well as the presenter's own experiences. It will examine recurring patterns in origami and relationships to other recursive ideas. In addition, the participants will fold several traditional origami models.

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ANDRO

Leading Edge Communications

ANDRO Computational Solutions, LLC, established in 1994, is dedicated to research, development, and application of advanced computing solutions and products for wireless communications, intelligent spectrum management, and C5ISR for defense and commercial customers.

ANDRO enables future growth markets in edge computing and communications today, to give early adopters a first mover market advantage and gain market dominance as others follow.

CORE TECHNOLOGIES

- Waveform Development
- Policy-Governed Dynamic Spectrum Access
- Intelligent Spectrum Management
- Next G & Multi-Access Edge Computing
- Cognitive Radios & Software Defined Networking using Artificial Intelligence / Machine Learning



DR. ANDREW DROZD
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FRED FRANTZ
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- Blockchain-supported HyperLedger Fabric for Decentralized Mesh Networks
- C5ISR (Including Data Fusion & Tracking)
- Sensor Resource Management
- Cosite/EME Toolkits & Independent Studies
- Cyber-Secure Wireless Communications
- Quantum Communications

ANDROCS.COM

WHAT TO PACK

CLOTHING:

- Jeans
- T-Shirts
- Shorts
- Shirts
- Athletic Clothes
- Formal Outfit for Closing Ceremonies

DON'T FORGET!

- Pajamas
- Undergarments
- Socks
- Comfortable Walking Shoes
- Bathing Suit
- Jacket/Sweater/Hoodie
- Cell Phone/Charger
- Medications - All medications must be listed on your medical release form and will be administered by the on-site medics

OPTIONAL ITEMS

- Bug spray
- Musical Instruments
- Art Supplies
- Snacks - *We provide meals & snacks daily but feel free to bring your own favorites!*
- Cash / Card- Keynote speaker books and merchandise will be available for purchase at a discounted rate for STEAM Scholars

FORMS TO BE COMPLETED PRIOR

- STEAM Scholar Communication Consent Form - to be signed by parent/guardian
- Code of Conduct - to signed by STEAM Scholar and parent/guardian
- Medical Release Form - to be completed by parent/guardian
- Photo Release Form - signed by STEAM Scholar and parent/guardian

IMPORTANT

- We are not responsible for lost, damaged or stolen items.
- Review the 2023 Code of Conduct for a list of restricted and prohibited items.
- Submit your medical release form prior to the conference.
- In the case of disciplinary actions for STEAM Scholars that violate the Code of Conduct, parents will be contacted.

ATTENTION PARENTS

We encourage parents and families to join the STEAM initiative! Please join us for the following important events/activities.

OPENING DAY

HAMPTON INN (1352 FLOYD AVE. ROME, NY 13441)

JULY 23

Join your STEAM Scholar during the check-in process. Check-in will include a review of the medical release form, an overview of the code of conduct, workshop selection and more. Our team will be available to answer any questions and provide local recommendations if you're not from the area!

ESTEAMed SPEAKERS SERIES

ROME FREE ACADEMY (95 DART CIRCLE ROME, NY 13441)

JULY 24, 26, 28

Our ESTEAMed Speakers Series is FREE and open to the public. Parents are encouraged to attend! Check out the lineup on pages 13-17

CLOSING DAY

ROME FREE ACADEMY (95 DART CIRCLE ROME, NY 13441)

JULY 29

Parents and families are encouraged to join us for the closing ceremonies.

9:00-11:00

STEAM Project Fair

- STEAM Scholars will present their final projects - *open to the public!*
- Vote for your favorite project - the winning team will receive some great prizes!

11:15-12:30

5th Annual Project Fibonacci®STEAM Leadership Conference Closing Ceremonies

- Retrospective videos with highlights from the week, awards ceremony, and the winners of the STEAM Project Fair will be announced.

12:30-2:00

Lunch & Reflections

- STEAM Scholars can introduce their families to their new Fibonacci®Friends! STEAM Scholars will have their lunch provided, lunch will be available for purchase for families and guests.

2:00-3:30

STEAM Scholar Departure

GET INVOLVED

DONATE

Donating is the greatest way you can impact the Project Fibonacci Foundation and ensure its continued success and growth. All donations are fully tax-deductible.



FUEL YOUR FUTURE FAIR

Companies, organizations, and academic institutions are encouraged to join us and exhibit for free!



VOLUNTEER

We rely on our extensive volunteer network to help provide a safe and creative learning environment for our STEAM Scholars.



PRESENT A WORKSHOP

Interested in presenting a workshop? Download our workshop template or fill out a Workshop Proposal online.



STAY CONNECTED

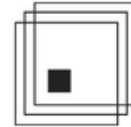
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