3RD ANNUAL

PROJECT FIBONACCI® STEAM CONFERENCE

2018 ADVANCE PROGRAM

FEATURING THE EPICS IN IEEE INTERNATIONAL COMPETITION

FIND OUT HOW YOU CAN WIN UP TO $10,000 IN PROJECT DEVELOPMENT FUNDS!

P (315) 334-1163 F (315) 334-1397 E info@projectfibonacci.org W projectfibonacci.org

JULY 22 – JULY 28, 2018

The Beeches Conference Center

7900 Turin Road

Rome, NY 13440

FIND YOUR FUTURE IN STEAM!

Technology of the Future • Math of the Cosmos • Deep Space Travel – Colonizing Mars • Computer Graphics in Science & Entertainment • UAS Technology • Cyber Coding • Nanoscience • Medicine & Physiology •Brain-Computer Interfaces • Music & the Science of Sound • Photography • Art Composition • Nature Arts & Sciences • Physics & Engineering • Design Thinking • Architecture • Effective Science Communication • Financial Forecasting/Management • Entrepreneurship • Starting a Business • Resume Building • Science, Technology & History • College/Career Fair • and so much more!

The Beeches Professional Campus | One Beeches Place | 7980 Turin Rd.– First Floor, Annex | Rome, NY 13440-1934

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*Daily Schedules are Subject to Change

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THE PROJECT FIBONACCI® FOUNDATION, INC.

OUR VISION: ENRICHED STEAM COMMUNITIES DRIVING A MODERN RENAISSANCE

What is Project Fibonacci®?

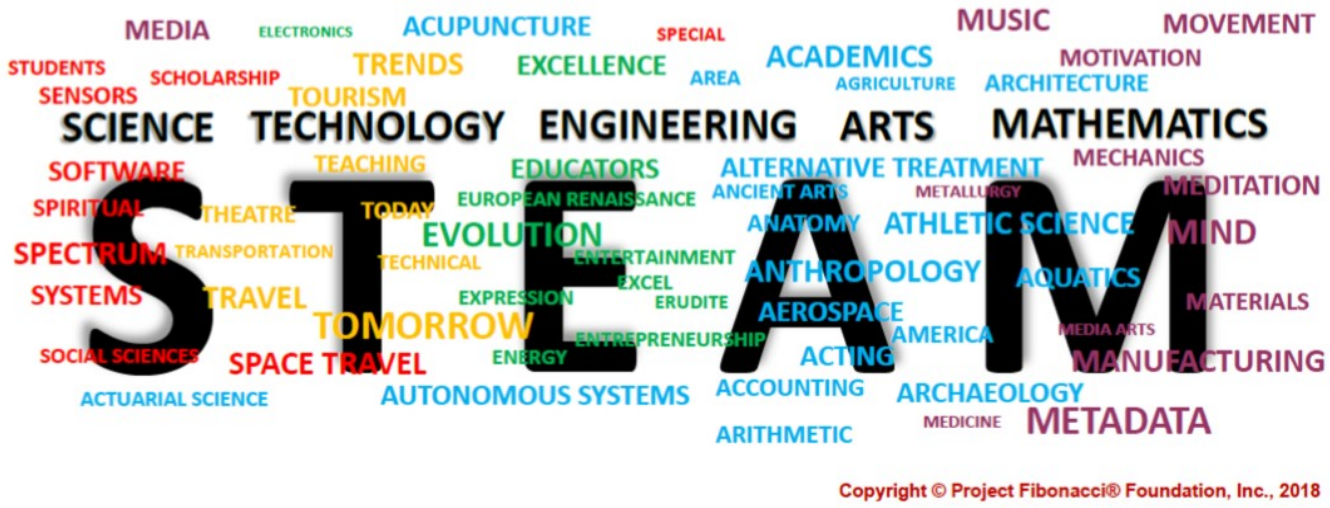
The Project Fibonacci® Foundation provides a series of immersive learning programs on STEAM topics in cooperation with local schools, businesses and other organizations. Our year-round initiative is focused on using STEAM education as a catalyst and driver for workforce preparedness and economic redevelopment.

Through the promotion of STEAM educational programs, we can inspire and enlighten students at a young age, provide opportunities for internships and academic advantages and help prepare the next wave of productive citizens.

Our Mission

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

Full



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Ahead!

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WELCOME FROM THE 2018 CHAIRPERSON

It's my pleasure as the 2018 Chair of the Project Fibonacci® third annual STEAM Conference to welcome another cohort of bright, enthusiastic, and creative STEAM scholars! The Project Fibonacci® "Core Team", comprised of Co-Chair Bob Bojanek, Dan Kostelec, Amy Singletary, Andrew Burger, Pam Mandryck, and Andy Drozd, has been planning this year's conference for several months. We promise that it is shaping up to be the best STEAM conference of its kind!

For those new to Project Fibonacci® or the summer STEAM Conference:

The Project Fibonacci® Foundation, which hosts the summer conference, has as its mission to introduce youth to a culture of interdisciplinary STEAM learning, teaching them to become creative, independent leaders of community resurgence. In its third year of existence, Project Fibonacci® accomplishes this by providing students, their teachers, and community members to a series of immersive learning programs on various STEAM topics. Working with schools, businesses, organizations, and experts in varied STEAM fields, Project Fibonacci® uses STEAM education as a catalyst and driver for workforce preparedness and economic redevelopment.

The week-long STEAM Conference, which is the centerpiece of Project Fibonacci's® endeavors, is complemented by intensive innovation camps on the topics of drones, robotics, and coding; internships; sponsorship of competitive STEAM events; and a speaker series featuring STEAM experts of international renown, such as Margot Lee Shetterly, Alan Alda, David Eagleman, Michio Kaku, and Daymond John, all past speakers.

Project Fibonacci's® goal is to inspire youth to realize their potential and ultimately lead them to meaningful full-time careers. Our organization encourages students to attend local colleges and universities and pursue careers in a variety of fields right here in the Mohawk Valley and the greater Central/Upstate New York region. With a rich history of scientific, technical, sports, and artistic accomplishments, the region offers a variety of opportunities for promising up-and-comers, such as Project Fibonacci® Scholars! There is a thriving scientific and technical community with a rich history of serving the nation in unmanned air systems, cyber security, advanced communications and nanotechnology. The Air Force Research Laboratory and its high-tech contractor base are credited for being the anchor for business growth and economic development in the area. In addition, there is a rich arts community with local museums and art centers, such as the Munson-Williams Proctor Arts Institute, Rome Arts Community Center, Fusion Gallery and ArtisTree. A flurry of other activity in music, photography, and film production can be found throughout the area. Together these form the core of our science and arts spirit that underpins the Project Fibonacci® beliefs.

Our hope is that you will pursue an academic or professional career path that is rewarding, and one that will keep you rooted to the area to build a bright future for yourself with a network of similar-minded people. The goal of Project Fibonacci® STEAM Conference is to ensure a thought-provoking, life changing, and highly memorable experiences that will assist in your journey of awareness, self-discovery and educational or professional career pursuits.

On subsequent pages of this advance program you will find many details about the planned experiences of this year's conference. Please take the time to read through it and ponder what your summer (and future) may hold! We hope you will be as inspired and enriched as the Core Team is enthusiastic!

On behalf of our staff, our army of volunteers, and all involved in Project Fibonacci's® 2018 STEAM Conference, I look forward to seeing you soon! *Full STEAM Ahead!!*

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WANT TO WIN UP TO $10,000* FOR PROJECT DEVELOPMENT & IMPACT YOUR COMMUNITY & EARN $1,000 IN COLLEGE SCHOLARSHIP FUNDS?

Join the Smart City of STEAM Challenge

Presented by The Project Fibonacci® Foundation, Inc. and EPICS in IEEE

EPICS IN IEEE

ENGINEERING PROJECTS IN COMMUNITY SERVICE

By pairing with a non-profit organization, teams or individuals will brainstorm a product or service that will positively impact their community.

Team members must have attended past Project Fibonacci® programs or plan on attending the 2018 STEAM Conference. Participates will be eligible to receive scholarship funds toward their tuition by joining the challenge!

Project Fibonacci® can provide mentors for the challenge and facilitate your partnership with a nonprofit community service organization.

project FIBONACCI® FOUNDATION, INC.

MORE INFORMATION ON PAGE 24

Visit ProjectFibonacci.org for full details

Sign your team up today by emailing info@projectfibonacci.org

Enriched STEAM Communities Driving a Modern Renaissance

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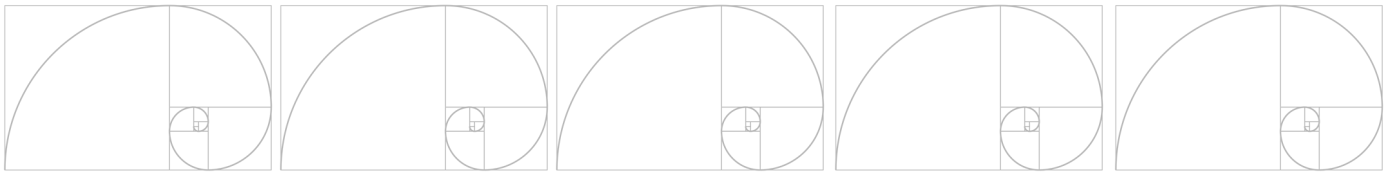
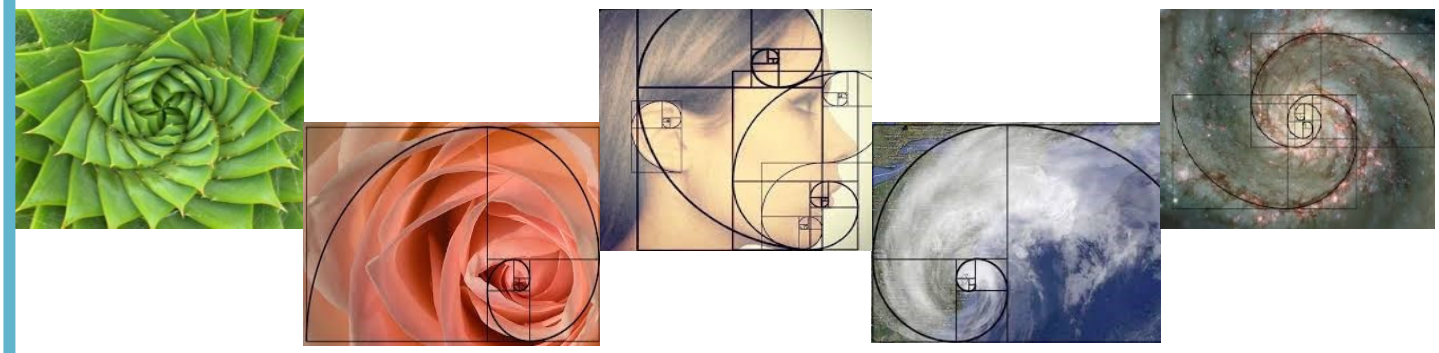
WHO WAS FIBONACCI?

Project Fibonacci® has been inspired by the renowned mathematician, Leonardo Bonnaci, later nicknamed "Fibonacci" by his contemporaries and historians.



During the 13th Century, Fibonacci "discovered" a branch of mathematics that neatly describes emergent patterns we often encounter in science, engineering, nature, art, music and elsewhere throughout the cosmos.



The Fibonacci sequence is a series of numbers in which a number is found by adding the two numbers before. Starting with 0 and 1, the sequence will then be 0, 1, 1, 2, 3, 5, 8, 13, 21, 34 and so forth.

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ATTENDING IS AS EASY AS 1, 2, 3

1. Nomination

Have a teacher, professor or mentor nominate you to attend.

Qualifications to attend:

-High School Sophomores—College/ University Juniors
-Age range 15-20*
-Shows potential and/or demonstrates leadership in STEAM disciplines

*Please Note: Returning Scholars who have "aged out" of the program may still be eligible to return as a STEAM Scholar or volunteer. Contact us for details.

2. Acceptance

The Project Fibonacci® Foundation, Inc. Admissions Board will carefully review each nomination. Upon review, accepted students and their parents will receive an acceptance letter by mail with further details.

3. Registration

Register here to reserve your spot at the conference

Visit our newly designed website for FAQs, scholarship information and important deadlines ProjectFibonacci.org

IMPORTANT NOTICE:
Workshop sign-ups will be announced in future correspondence
Workshop space is limited, so make sure you sign up as soon as possible to lock in your spot for your preferred workshops!

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NEW FOR 2018

STEAM Ambassador Program

Represent Project Fibonacci® and receive swag, discounts on your tuition and potential college scholarship funds! View page 26 for details

EPICS in IEEE

Your chance to win up to $10,000 in project funding and $1,000 in college scholarship funds! View page 24 for details

Workshops

Workshop sign-ups will now be online starting Monday, June 4.

Social Activities

Each night of the conference will feature fun and social activities for all STEAM Scholars!

Team Leadership

Each team will nominate a Captain and Co-Captain to lead them through the week of project development. Facilitators and staff will be on-site to assist.

College & Career Fair Passport

Each STEAM Scholar will receive a College & Career Fair Passport where visits to booths, mock interviews, resume building and other activities with earn a stamp, Prizes will be given to those who successfully complete the most tasks!

Closing Ceremonies

Parents and families are highly encourage to join us on the final day of the conference. Together we can celebrate all that you have accomplished!

STEAM Scholar Departure

The pick-up spot for the 2018 conference final day will be RFA! See page 15 for more details

Scholarships

Registration is now required to be eligible to receive scholarship funding! For more information on scholarships, view page 25

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STEERING COMMITTEE MEMBERS

Andrew Drozd
Project Fibonacci®
Chairman &
Executive Director

Maria Smith
2018
Conference
Chair

Robert Bojanek
2018
Conference
Co-Chair

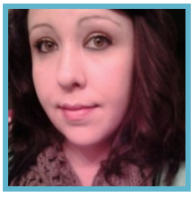
Katrina Bratge
SUNY Cortland
College & Career
Fair Coordinator

Jessica Griffin
ANDRO
Workshop
Coordinator

Julia Pilny
BAH
Arts & Sciences
Curriculum

Andrew Burger
FIRST Robotics
Technical Support &
Innovation Expert

Martha Group
VVS
Curriculum



Amy Singletary
ANDRO
Registration &
Publications

Corey Colmey
Corey Colmey Drum
Instruction
Entertainment

Daniel Kostelec
STEAM Outreach
Coordinator

Ramona Smith
City of Rome
Council Woman
Curriculum

Orlando Destito
The Beeches
Local Logistics &
Transportation

Alicia Koster
Oriskany CSD
Curriculum

John Vanella
Conference Direct
Conference
Management

Evan Drozd
STEAM Scholar
Advisory Board

Pam Mandryck
ANDRO
Technical Writer &
Secretary

Barbara Welch-Drozd
Volunteer
Coordinator

Sarah Foster
Oneida County
Tourism
Tourism Chair

Nathan McDonald
Ph.D.
Curriculum

Bryant Wysocki
Ph.D.
Curriculum

Tim Gaffney
Oriskany CSD
Curriculum

Liz Palumbo
ANDRO
Local
Arrangements

Not Pictured:
Jean Burgdorf, Community Outreach
Louise Rutherford, Curriculum
Tara Day, Music Curriculum

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2018 PROJECT FIBONACCI SPEAKERS SERIES

*EVENING KEYNOTES ARE OPEN TO THE PUBLIC
TICKETS AVAILABLE AT EVENTBRITE.COM

MONDAY, JULY 23

MICHAEL MILLER

AFTERNOON GUEST SPEAKER

Michael Miller is a prolific and best-selling writer that has written over 200 books in the past three decades on a variety of topics from computers to music to business. He is known for his casual, easy-to-read writing style and his ability to explain a wide variety of complex topics to an everyday audience. Collectively, his books have sold more than a million copies worldwide. His portfolio of books include:

- The Internet of Things: How Smart TVs, Smart Cars, Smart Homes and Smart Cities are Changing the World
- Management Secrets of the Good, the Bad, & the Ugly
- Is it Safe? Protecting your Computer, Your Business and yourself Online

DR. ALEX FILIPPENKO

EVENING KEYNOTE

Dr. Alex Filippenko is one of the world's most highly cited astronomers and is an elected member of the *National Academy of Sciences* as well as the *American Academy of Arts and Sciences*. He has appeared in more than 100 TV documentaries and is the author of *The Cosmos: Astronomy in the New Millennium*. Alex Filippenko has been actively involved with the Project Fibonacci® Foundation, Inc. as a 2016 keynote speaker and is now part of our Honorary Members, Advisory Board.

@4AstroAlex

*Keynote Speakers Series 6:30-8:30
Tentative times & venues subject to change

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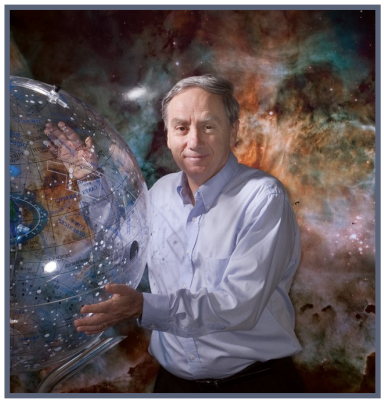
2018 PROJECT FIBONACCI SPEAKERS SERIES

*EVENING KEYNOTES ARE OPEN TO THE PUBLIC
TICKETS AVAILABLE AT EVENTBRITE.COM

TUESDAY, JULY 24



@Mario_Livio

DR. MARIO LIVIO

EVENING KEYNOTE

Dr. Mario Livio is an internationally known astrophysicist, a best-selling author, and a popular speaker. He is a Fellow of the American Association for the Advancement of Science. Dr. Livio has published more than 400 scientific papers on topics ranging from Dark Energy and cosmology to black holes and extrasolar planets. He is also the author of six popular science books, including *The Golden Ratio* and *Is God A Mathematician?*

His latest book, *Why? What Makes Us Curious* appeared in the U.S. in July, 2017

WEDNESDAY, JULY 25

DR. MAX TEGMARK

EVENING KEYNOTE

Dr. Max Tegmark is a Swedish-American cosmologist and professor at the Massachusetts Institute of Technology (MIT) as well as the scientific director of the Foundational Questions Institute and the co-founder of the Future of Life Institute. The author of more than 200 technical papers on topics from cosmology to artificial intelligence, he has earned the nickname "Mad Max" for his unorthodox ideas and passion for adventure. Dr. Max Tegmark has appeared in dozens of scientific documentaries and is the author of New York Times Best Seller, *Life 3.0: Being Human in the Age of Artificial Intelligence* and *Our Mathematical Universe: My Quest for the Ultimate Nature of Reality*.

@tegmark

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*Keynote Speakers Series 6:30-8:30

2018 PROJECT FIBONACCI SPEAKERS SERIES

*EVENING KEYNOTES ARE OPEN TO THE PUBLIC
TICKETS AVAILABLE AT EVENTBRITE.COM

THURSDAY, JULY 26

BRANDY SCHILLACE, MA, PH.D.

@bschillace

AFTERNOON KEYNOTE

Historian and author Brandy Schillace, PhD, writes at the intersections of medical science, history and literature. Her work for the Dittrick Museum of Medical History brings her in contact with rare artifacts of history, as well as with other museum institutions worldwide. As a writer/research and Editor-in-Chief of the BMJ's Medical Humanities, Brandy travels extensively abroad to see unique collections and learn their stories. Her book, *Clockwork Futures*, offers a social history of social technology and "steampunk" science in the age of manufactured power. Brandy has appeared as an expert on the Travel Channel's *Mysteries at the Museum* and presented in a TEDx talk.

MORE SPEAKERS & SPECIAL EVENTS WILL BE ANNOUNCED IN FUTURE CORRESPONDENCE!

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*Keynote Speakers Series 6:30-8:30
Tentative times & venues subject to change

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ANDRO

Innovation...From Research to Systems!

Main Office:
One Beeches Place • 7980 Turin Road, Bldg. 1
Rome, NY 13440-1934

Syracuse Office:
CNY Biotech Accelerator • 841 E. Fayette Street
Syracuse, NY 13210

www.androcs.com (315) 334-1163

ANDRO Computational Solutions, LLC is a scientific research & development company supporting defense and commercial markets. ANDRO is a leader in developing emerging prototypes for cyber-secure RF communications, command and control (electromagnetic spectrum management, cognitive radios) including multisensory resource management for radar target tracking and related applications. ANDRO is also a strong proponent of STEAM education as a catalyst for workforce and economic development.

ANDROMetaX CORP.

ANDROMetaX, Corp., is an ANDRO Company providing Spectrum Management as a Service (SMaaS) including wireless cyber-secure solutions for the federal and civilian Internet of Things (IOT) marketplace:

- Unmanned Air Systems (UAS) RF Sense & Avoid
- Autonomous Systems & Vehicles
- “Big (Spectrum) Data” Processing
- Medical Technologies & Wearable Biosensors
- Brain-Computer-Interface (BCI) Applications
- Medical Image Feature/Anomaly Detection, Image Analysis & Classification

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OPENING DAY*

SUNDAY, JULY 22

12:00-2:30 STEAM Scholar Check-in

The Beeches Conference Center
7900 Turin Rd.
Rome, NY 13440

Parents are encouraged to complete the check-in process with their STEAM Scholars!

SUNDAY CHECK-IN PROCESS:

Sign in with our registration staff to receive your schedule, program, swag bag, team and room information

Visit our on-site medical staff to privately discuss any medications, allergies or other medical ailments

Hotel check-in & meet your roommate! Please let us know if you have a preferred roommate in mind.

PLEASE SUBMIT YOUR COMPLETED MEDICAL RELEASE PRIOR TO CHECKING IN

SUNDAY ACTIVITIES:

- Team Introductions
- Discover your Personal Leadership Style
- Project Fibonacci® Staff Introductions
- Ice Breakers

project FIBONACCI FOUNDATION, INC.

ATTENTION STEAM SCHOLARS ARRIVING BY TRAIN, PLANE OR BUS:

Please send travel itinerary no later than June 30, 2018 to ensure proper pick-up

ATTENTION STEAM SCHOLARS DRIVING THEMSELVES:

Review our Driving Disclaimer as part of the 2018 Code of Conduct.

*Daily Schedules are Subject to Change

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CLOSING CEREMONIES*

SATURDAY, JULY 28TH
STEAM FAIR
FAREWELL CEREMONIES

9:00-3:00PM
Rome Free Academy
95 Dart Circle
Rome, NY 13441

PARENTS & FAMILIES ARE ENCOURAGED TO ATTEND!
OPEN TO THE PUBLIC

NEW FOR 2018:

STEAM Scholars will depart directly from the conference at RFA. If parents are not able to attend the ceremony, Please plan to pick-up your STEAM scholar from RFA no later than 3:30pm.

TENTATIVE SCHEDULE:

9:00-11:00am

STEAM Scholar Media Fair

STEAM Scholars will be assigned to work on group projects at the beginning of the week that will be presented to guests and the public on the last day. Vote for your favorite project!

11:15-12:30pm

2018 Project Fibonacci® Closing Ceremonies

Full of retrospective videos, highlights from the week and the award ceremony for the 2018 STEAM Scholars. Winners of the Media Fair will be announced as well as the winners of the EPICS in IEEE Smart City of STEAM Competition!

12:30-2:00pm

Lunch & Reflections

Introduce your family to your new Fibonacci Friends! STEAM Scholars will have their lunch provided. Please note: Lunch will be available for purchase for families and guests.

2:00-3:30pm

STEAM Scholar departure

*Daily Schedules are Subject to Change

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MONDAY-FRIDAY SCHEDULE*

8:00-9:00 AM
DAILY MORNING WAKE-UP ACTIVITIES
STEAM SCHOLARS GET READY FOR THE DAY & ENJOY BREAKFAST
PROVIDED BY THE BEECHES

9:00-10:30 AM
WAKE-UP WORKSHOPS
ACTIVE WORKSHOP BLOCK & OFF-SITE TOURS

10:30-12:30 PM
STEAM FUELED WORKSHOPS

12:30-1:20PM : LUNCH

1:30-4:00 PM
DESIGN STRAND-
DESIGN THE SMART STEAM CAMPUS OF THE FUTURE!

4:00-5:00 PM
PROJECT DEVELOPMENT

5:15-6:15 PM
DINNER

6:15-6:30 PM
KEYNOTE TRANSITION

6:30-8:00 PM
KEYNOTE SPEECH
(MERCHANDISE AVAILABLE FOR PURCHASE, LIMITED BOOK SIGNING)

8:30-10:00 PM
PROJECT DEVELOPMENT AND/OR SOCIAL EVENT

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2018 DESIGN STRAND

Introducing the theme of the 2018 Project Fibonacci® STEAM Conference

DESIGN THE SMART STEAM CAMPUS OF THE FUTURE

DREAM ★ DESIGN ★ CREATE

Workshops, lectures, tours and project-development time will be based around the theme of designing the future Project Fibonacci® Smart STEAM Campus including Smart technologies, architecture, interior and exterior design, environmental design & landscape architecture and much more!

Teams will work hands-on with local professionals to dream, design and create their vision of the future Smart STEAM Campus!

DAILY THEMES

* Function to Form: Designing from the Inside Out
* Architectural Styles: Historic & Modern Architectural Styles
* Aesthetics & Function: Light, Sound and Acoustics
* Sustainability

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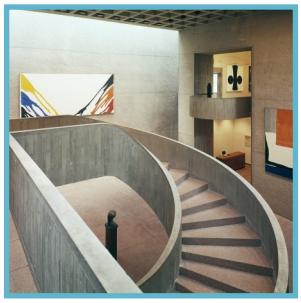
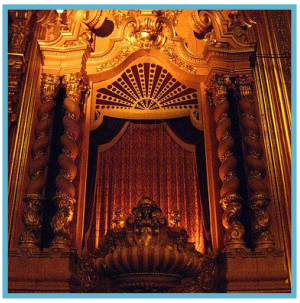
DESIGN STRAND WORKSHOPS & TOURS

OFF-SITE

- Rutgers Park Architectural Walk
- The Old Main– Medical Anthropology & Design Function
- Everson Museum Architectural Tour
- Stanley Theater– Acoustics & Design Function

- Designing the Smart Campus of the Future
- The Internet of Things
- Blue Print Design
- Behind the Scenes of Landscaping For a Purpose
- The Science of Sound: Functions & Acoustics
- The Future of Tiny Homes
- Green Technology
- 3D Printing Houses

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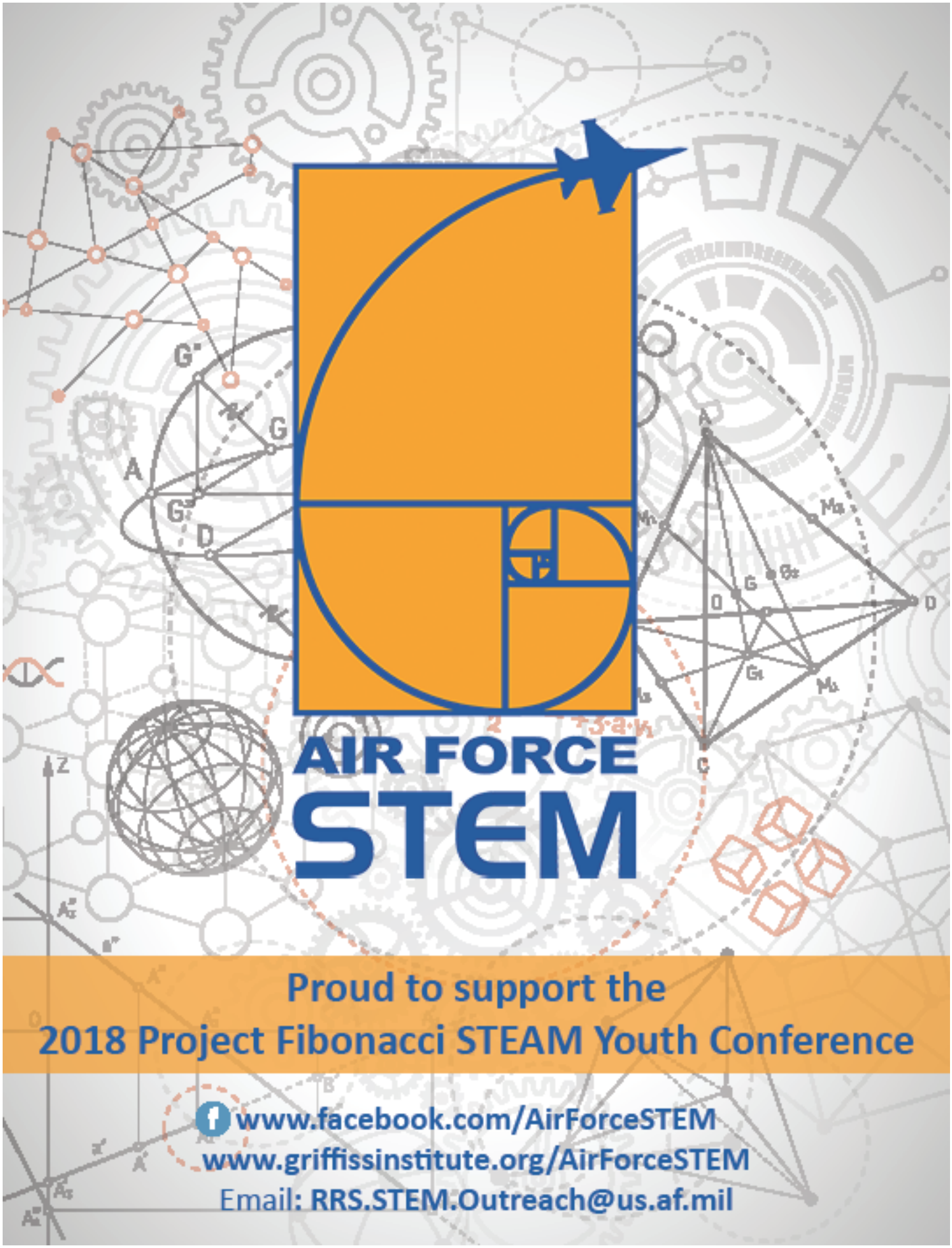

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STEAM FUELED WORKSHOPS & TOURS*

SCIENCE

- Practical Information Theory
- Science of the Paranormal with R.I.P
- Professional Ethics Amidst Everchanging Science & Technology
- It's Alive!-The Fermentation Process
- Wildlife Biology with the Utica Zoo
- Entomology
- Turning Cognitive Research Tasks into Games
- The Art of Computer Graphics & the Science of Forensics
- Data Science: Understanding Computer Algorithms
- Crime Scene Investigation
- OFF-SITE: Masonic Medical Research Laboratory (MMRL)
- OFF-SITE: Biotech Accelerator
- OFF-SITE: Museum of Science & Technology (MOST)
- OFF-SITE: SUNY Environmental Science & Forestry

MATH

- Finding Fibonacci– Sequences in Nature
- The Math of the Universe…From Fibonacci to Really Big Numbers
- Fibonacci in Motion: The Science Behind Martial Arts
- Math in Prose & Poetry: The Fun Side of Math
- Math in Stories
- Math is Art– Quilting Design with Audre Katz
- Building a Geodesic Dome

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STEAM FUELED WORKSHOPS & TOURS*

TECHNOLOGY

- App Coding
- The Internet of Things
- Creating Glass Pyramid Models with 3Doodler
- Cyber Coding
- UAS Swarms Based on Nature
- Computer Animated Design (CAD)
- Intro to Java Programming
- Virtual Reality
- OFF-SITE: SAAB Sensis
- OFF-SITE: Upstate Biotech Accelerator

ENGINEERING

- Technical Business Incubation & Acceleration
- Harnessing Your Creative Potential in Engineering Design
- Brain Computer Interfaces
- Intro to Java Programming with Minecraft
- Creating Instruments
- Engineering Degrees 101

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STEAM FUELED WORKSHOPS & TOURS*

ART

- Art of the Algorithm with Kyle Bojanek
- Improvising & Composing Jazz with Doc Woods
- Photographic Composition
- The Art of Music & the Science of Sound
- Art of Improvisation for Communicating Science
- African Drumming with Lead with Rhythm
- The Art of Computer Graphics
- Parabolic Art
- Fibonacci in the Art of Weaving
- Video Game Design
- Special Effects Makeup
- Turning Recyclables into Art
- The Science & Art of Dance
- The Fibonacci Spiral in Tie-Dye

OTHER WORKSHOPS & OFF-SITE TOURS

- Using the Business Model Canvas to Help Develop your New Startup Business with Ray Lindermayer
- OFF-SITE: S.I. Newhouse School of Public
- Chess: The Relation to Real Life & Strategies
- Where will this degree take us?
- Resume building & mock interviews
- DARPA

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WHAT TO PACK

Clothing

- Jeans
- T-Shirts
- Shorts
- Shirts
- Dresses
- Athletic clothes
- Formal outfit for special events

Toiletries

- Toothbrush & Toothpaste
- Shampoo
- Soap
- Deodorant
- Brush/Comb
- Cosmetics
- Sunscreen

Don't Forget!

- Pajamas
- Undergarments
- Socks
- Comfortable walking shoes
- Bathing Suit
- Jacket/Sweater/Hoodie
- Cell Phone/Charger
- Personal Technologies (laptop, iPad, Tablets, etc.)

Optional Items

- Bug Spray
- Lotion
- Musical Instruments
- Digital Camera
- Art Supplies

Keynote Speakers Books & Merchandise will be available for purchase

We are not responsible for lost, damaged or stolen items

An on-site safe will be available to store valuables

IMPORTANT

- Review our 2018 Code of Conduct for a list of restricted and prohibited items
- Submit your medical release form prior to the conference.
  Forms are available at ProjectFibonacci.org

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SMART CITY OF STEAM INTERNATIONAL CHALLENGE

EPICS IN IEEE

MAKE A DIFFERENCE IMPACT YOUR COMMUNITY

The Project Fibonacci® Foundation, Inc. in coordination with the IEEE Engineering Projects in Community Service (EPICS), is hosting a unique, one-of-a-kind Smart City of STEAM Challenge. Current 2018 Project Fibonacci® STEAM Conference scholars, past scholars and students who have participated in previous Project Fibonacci programs are invited to look into the Smart Cities of the future and propose ways in which the future they envision can have a positive impact in our community today.

Your Smart City of STEAM may incorporate green renewable energy, address public health challenges or use technology to influence the arts -- it's your Smart City of STEAM, your only limitation is your imagination!

Past EPIC winners have proposed solar energy projects, air quality sensors and an educational program to help transition senior citizens into the digital world. By pairing with a community service organization, you will have the opportunity to implement your proposal and positively **impact your community**. IEEE will fund materials up to **$10,000**; if multiple proposals are selected the aggregate of all funded proposals is not to exceed $10,000. Project Fibonacci® will provide winning teams up to $1,000 in college scholarship funds per team member (up to $4,000)

We are seeking innovative artistic and design concepts that will influence the solution you propose. Your proposal should bring together aspects of STEM with art for a creative approach. Your proposal will be judged by a panel of experts who will consider factors such as:

- Did your proposal include a detailed list of materials required to implement your project?
- Did you demonstrate an understanding of the problem your proposal addresses?
- Can you develop and deliver your proposal in a timely manner?
- Will your nonprofit partner implement your project?
- What will you learn from implementing your proposal?

Project Fibonacci will provide you with mentors for the challenge and, if required, facilitate your partnership with a nonprofit community service organization.

For More Information: ProjectFibonacci.org

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SCHOLARSHIP OPPORTUNTIES

Scholarship submissions are encouraged, but do not guarantee partial/full scholarship funds. Students must be nominated, accepted and registered online prior to their scholarship submission.

Steps to compete for scholarships:

- Have a teacher or mentor nominate you to attend. Upon review of the Admissions Board, you and your parents will receive invitation letters with further information.
- Register to attend the 2018 Project Fibonacci® STEAM Conference. Select the "I am seeking tuition assistance" option on the payment page of registration.
- Submit your scholarship media (i.e. paper, presentation, video) to info@projectfibonacci.org
- All scholarship submissions are reviewed by our Scholarship Board. STEAM Scholars and parents will be notified of the amount allotted toward tuition.
- In the meantime, download our "Adopt-a-Scholar" flyer and visit our Fundraising Toolkit for ideas and examples on how to raise the remaining balance of your tuition.

Local businesses, organizations and private parties are encouraged to partially or fully cover student tuitions for the 2018 Project Fibonacci® STEAM Conference through the "Adopt-a-Scholar" program. By doing so, students are either specifically or randomly selected to receive scholarship tuition. The following are ways to be considered for available scholarship funds:

- Submit a paper on why you should be chosen to receive funds to attend the 2018 Project Fibonacci® STEAM Conference. Include goals, aspirations, current academic success, community service and how you would benefit from attending.
- Submit a paper on the value of furthering STEAM education for yourself and/or others and its importance in any career setting.
- Create a presentation on the Fibonacci sequence and how it can be seen throughout the world. Include ties to STEAM related fields.
- If you attended the 2016 or 2017 conference, create a short video describing your experience and how it has benefited you overall as well as its educational benefits, why you recommend it to others and what your favorite parts of past conferences are.
- Participate in the IEEE EPICS International Competition as an individual or as a team. See page 24 for IEEE EPICS details

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STEAM AMBASSADOR PROGRAM

- Are you interested in STEAM?
- Are you thrilled by new technology?
- Do you want to bring new opportunities to your school and your peers?

If so, the Project Fibonacci STEAM Ambassador Program is perfect for you!

Through the STEAM Ambassador Program, you become a liaison between Project Fibonacci® and your school/university to receive exclusive updates, tuition discounts and swag!

STEAM Ambassadors may:

- Work closely with local PF teams and STEAM Scholars
- Promote PF on personal social media channels
- Be a source of knowledge for your school/university about PF events
- Complete social media tasks to earn more PF swag and tuition discounts
- Host and organize events to bring awareness about the PF brand
- Spread the word about special events, speakers series, scholarship opportunities and nomination deadlines
- Attend STEAM events as a PF representative
- Help PF to better understand your campus' culture
- Build relationships on campus with faculty and student groups

What are the benefits?

As an active Project Fibonacci® STEAM Ambassador, you will:

- Receive exciting promotional materials to distribute throughout your school
- Be the first to know about special announcements
- Get your own Project Fibonacci® swag
- Receive credit toward your tuition based on tasks completed
- Be considered for local STEAM internships
- Add the STEAM Ambassador title to your resume & college applications
- Enhance your professional development, leadership & communication skills
- The STEAM Ambassador with the most points will earn $1,000 in college scholarship funds!

For Qualifications & How to Become a STEAM Ambassador, visit: ProjectFibonacci.org

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GET INVOLVED

Become a Sponsor

The Project Fibonacci® Foundation exists thanks to the generous support of our Sponsors and Donors who share our vision of Enriched STEAM Communities Driving a Modern Renaissance. Sponsors and Donors both large and small recognize the leadership role New York plays through organizations like The Project Fibonacci Foundation, which is dedicated to creating a STEAM-rich environment for our youth.

Join us in supporting our youth and the vitality of New York's communities by donating to the mission of The Project Fibonacci Foundation: To introduce our youth to a culture of interdisciplinary STEAM learning, teaching them to become creative, independent leaders of community resurgence.

ADOPT-A-SCHOLAR
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GET INVOLVED

College & Career Fair

The College and Career Fair is an integral part of the Project Fibonacci® STEAM Conference. This is an excellent opportunity for colleges, universities, and public and private sectors to showcase their products, programs, services and academic and employment opportunities. Together we can show our youth the endless academic and professional possibilities that our area has to offer and use STEAM education as a tool to drive workforce and economic development. Our goal is to provide our STEAM Scholars with the best well-rounded experience and to highlight as many local businesses, colleges and other organizations.

There is no exhibitor fee!

Download our College & Career Fair Application here or sign up online.

Become a Volunteer

We rely on our extensive volunteer network to help provide a safe and creative learning environment for our STEAM Scholars. Sign up for a variety of volunteer positions here.

Host a Workshop

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

VISIT PROJECTFIBONACCI.ORG FOR ADDITIONAL WAYS TO GET INVOLVED!

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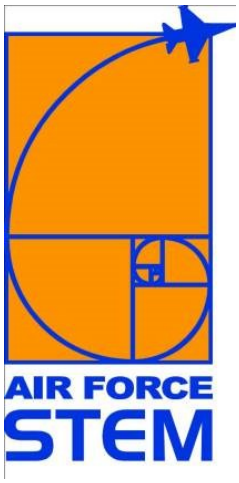
IT TAKES A VILLAGE TO RAISE A STEAM COMMUNITY

The Shoreline Group

ANDRO

EPICS IN IEEE

United Way



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