

Science in the Community Forum



National Conference: March 15–18, 2018
Georgia World Congress Center



Forum Host : Ed Barker

Ed Barker is the recipient of the 2011 NSTA Faraday Science Communicator Award, and founder and president of the STEM Leadership Foundation. Ed is also the Assistant Director for Research Technology and High-Performance Computing at Kennesaw State University.



Fredi Lajvardi

Nationally Recognized STEM Educator & Subject of the Critically Acclaimed Documentary, "Underwater Dreams," and Major Motion Picture, "Spare Parts" as well as the IMAX film "Dream Big"

<https://www.keplerspeakers.com/speakers/fredi-lajvardi>



Dr. Lonnie Johnson

Lonnie G. Johnson invented the massively popular Super Soaker water gun. Johnson is a former Air Force and NASA Jet Propulsion Laboratory engineer supporting the Galileo mission to Jupiter and the Cassini mission to Saturn.

<https://www.cbsnews.com/videos/making-a-big-splash-with-the-super-soaker/>

Dr. Johnson's firm, Johnson Research & Development, houses several **FIRST** Robotics, **FIRST** Tech Challenge, and **FIRST** LEGO Robotics teams from inner city Atlanta.



Dr. Woodie Flowers (tentative)

Dr. Woodie Flowers is the Pappalardo Professor Emeritus of Mechanical Engineering at the Massachusetts Institute of Technology and a Distinguished Partner at Olin College. The **FIRST** Robotics Competition was founded by Dean Kamen and Dr. Flowers. Dr. Flowers helped create MIT's renowned course "Introduction to Design." He also received national recognition in his role as host for the PBS television series Scientific American Frontiers from 1990 to 1993 and received a New England EMMY Award for a special PBS program on design.

<https://www.youtube.com/watch?v=0u0EUFUL9ZA>

<https://www.youtube.com/watch?v=F84LtXvLTtA>



Dr. Craig Forest

Dr. Forest is an Associate Professor and founder of the 3,000-square-foot Invention Studio at Georgia Tech. Invention Studio turns creative thinkers into hands-on doers. "The Invention Studio has fundamentally changed the culture at Georgia Tech,"

<https://www.youtube.com/watch?v=mOsX6xKdqzQ>

<http://www.news.gatech.edu/features/invention-studio>



Danielle Newman

Danielle Newman is the Executive Director of the Kell Robotics Team, which is an organization of high school students that participate in the **FIRST** Robotics Competition. The team works extensively to support the growth and expansion of the Informal STEM Learning Eco-systems.

Danielle is a high school senior at Kennesaw Mountain High School, and is a research intern at Kennesaw State University, conducting research on Graphene Polymer Microelectromechanical systems, using HPC, or supercomputer simulations. She is the Community Liaison for The Kennesaw State University

Presidential Commission on Gender and Work Life Issues, a lifelong Girl Scout, serving as an Ambassador for the Girl Scouts of Greater Atlanta, a participant in **FIRST** since 6th grade, and co-President of the Georgia Department of Education's **FIRST** CTSO, as statewide initiative that introduces **FIRST** Robotics Competitions to high school students statewide.

<https://www.youtube.com/watch?v=h0w9jkig274> (watch for the extra well after the end)