

## Alabama Leadership Symposium: Leading Math & Science Instruction

Hosted by Discovery Education & School Superintendents of Alabama

Tuesday, March 28, 2017

SSA Office

534 Adams Avenue, Montgomery, AL 36104

10:00 AM – 3:00 PM

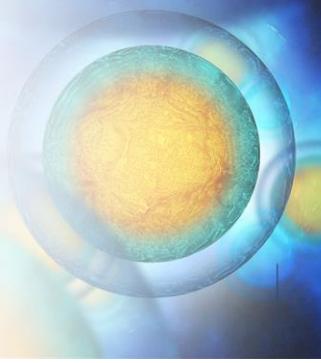
\*Breakfast & registration begins at 9:30 AM

If you have any questions, please call Connie(334)356-0572

**Summary:** Superintendent colleagues and district leaders from Alabama will come together for an innovative thought-leadership symposium focused on exploring best practices for creating a culture of science and math teaching and learning that provides students with the skills they need for college and career.

### Intended Outcomes:

- Provide a structured and interactive opportunity to discuss how districts overcome challenges and engage key stakeholders to support math and science education
- Develop a professional network and dialogue with innovative education leaders from the local area
- Share best practices and discuss challenges in a comfortable environment



## Agenda

9:30 AM Networking & Light Breakfast

10:00 AM Welcome & Opening Remarks

10:15 AM Keynote Address

Hall Davidson, Senior Director of Global Learning Initiatives, Discovery Education

11:15 AM Break

11:20 AM Science and Mathematics Spotlight: Innovative Leaders Panel

12:00 PM Lunch

12:30 PM Roundtable Discussions

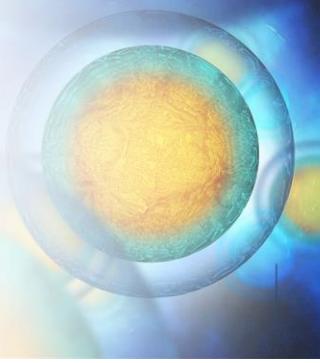
1:00 PM To Infinity and Beyond: A Journey from Inner Space to Outer Space, and a Few Stops Along the Way.

Dr. Richard Miller, Professor of Physics, University of Alabama in Huntsville

2:30 PM Closing Remarks

3:00 PM Wrap- Up

6:30 PM Alabama/Auburn Baseball game Riverwalk Stadium  
(full dinner and refreshments are provided)  
(families welcome)



## Featured Speakers



### Hall Davidson, Senior Director of Global Learning Initiatives, Discovery Education

Hall Davidson has worked from think tanks in Turkey to classrooms in Tennessee. He has collaborated with thought leaders including teachers, superintendents, and departments of education. A former K-12 bilingual math teacher and college faculty member, he left the classroom to become part of an Emmy-winning team, creating math and technology integration programs. For forty years, he has been an educational innovator in important waves of change, first in broadcasting, then computers, and now digital learning. His talks blend humor, deep insight, and data from both education and industry and illustrate the big picture with nuts and bolts examples. He has worked with transformational

industry groups, education ministries, and with thousands of students through guidance of the nation's oldest student media festival. Across four decades of work with education, he identifies right now as the most transformative and important time for teaching and learning.



### Dr. Richard S. Miller, Professor of Physics, University of Alabama in Huntsville

Dr. Richard S. Miller has always had an interest in "space", starting with an astronaut costume at 4 years old. Although he may not make it into space himself, his research efforts have taken him from experiments deep underground in mines to satellites that orbit the Moon, from cataclysmic deaths of stars to the detection of water on the Moon, from submarines to 4-wheelers. The common theme of his career has been opening new windows on the Universe to reveal new insights and understand existing mysteries. For the past few years his efforts have focused on the development of the Moon as a platform for astronomy, and he currently leads the first space mission that will put a nuclear telescope

into lunar orbit. He's a strong advocate for science outreach to kids of all ages, the collaboration between scientists and artists, and supports student involvement in research activities, including as past Director of the Alabama Science and Engineering Fair. He is the recipient of several honors including the American Astronomical Society's Bruno Rossi Prize. Dr. Miller grew up in San Diego but has lived in Louisiana, New Hampshire, New Mexico, and eventually settled in Huntsville where he is a Professor of Physics at the University of Alabama in Huntsville. Sometimes he still wears an astronaut costume.