



Cleveland State University's Colleges of Engineering & Business and Entrepreneurial Engagement Ohio invite the students and teachers of Northeast Ohio to participate in a

**STEM Commercialization, Entrepreneurship & Innovation Forum at
Cleveland State University
CSU Student Center – 3rd Floor Ballroom, 2121 Euclid Ave, Cleveland, OH 44115
Thursday, February 15, 2018, 9:30am – 1:00pm**

Attending students will participate in an extraordinary program that will open their eyes to the future, inspire them to 'think outside the box', and provide them with an opportunity to interact with entrepreneurial faculty researchers and practitioners associated with Cleveland State University. These innovators will discuss how their innovative ideas will shape the future:

- Dr. Julian M. Earls will give a presentation entitled *"Entry Descent and Landing on Mars"*
- Ms. Michele Heath will give a presentation entitled *"Health Information Technology"*
- Dr. John Holcomb will give a presentation entitled *"Consider a Career Working with Data"*
- Dr. Nigamanth Sridhar will give a presentation entitled the *"Internet of Things"*

At the Forum, students will hear the speakers describe how innovations will help create the future. After listening and interacting with the speakers, attending students, assisted by college student mentors, will be tasked to work in teams to develop a new product, service or problem-solving innovation idea that they will later pitch "Shark Tank style" to their peers. The students will also learn about scholarship and entrepreneurship opportunities available to them at CSU.

The Forum will begin at 9:30am and end at 1:00pm, with students attending as part of a teacher or parent chaperoned group. All Northeast Ohio high school and middle school students are invited to attend. As capacity is limited, registrations will be accepted as space is available. Transportation subsidies of \$100 are available on a first-come first-served basis to schools that bring 15 or more students.

Sincerely,

John Klipfell

John M. Klipfell, Executive Director
Entrepreneurial Engagement Ohio

Dr. Sanjay Putrevu

Dr. Sanjay Putrevu, Dean
Monte Ahuja College of Business

Dr. Anette Karlsson

Dr. Anette Karlsson, Dean
Washkewicz College of Engineering



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Timetable of Activities

Time	Location	Program
9:00	CSU Student Center 3 rd Floor Ballroom	Check in
9:30	CSU Student Center 3 rd Floor Ballroom	Program begins – Introduction and Opening Session <ul style="list-style-type: none"> • Opening video – “Are you ready for the future? Do you believe in Ohio?” (6 min) • Introduction – Why students are here, review agenda – John Klipfell (6-7 min) • CSU Welcome (8-10 min)
9:55	CSU Student Center 3 rd Floor Ballroom	Dr. John Holcomb will give a presentation entitled “Consider a Career Working with Data” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q & A (5 min)
10:15	CSU Student Center 3 rd Floor Ballroom	Dr. Nigamanth Sridhar will give a presentation entitled “Internet of Things” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q & A (5 min)
10:35		Five-minute stand and break in place
10:40	CSU Student Center 3 rd Floor Ballroom	Dr. Julian M. Earls will give a presentation entitled “Entry Descent and Landing on Mars” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q & A (5 min)
11:00	CSU Student Center 3 rd Floor Ballroom	Dr. Michele Heath will give a presentation entitled “Health Information Technology” <ul style="list-style-type: none"> • Speaker presentation (15 min) Q & A (5 min)
11:20	CSU Student Center 3 rd Floor Ballroom	Working lunch & Brainstorm Session (CSU students/mentors join students at tables) <ul style="list-style-type: none"> • Social lunch & break (10 min) • CSU student/mentors lead student brainstorm sessions to develop new product, service or problem solution or opportunity using Believe in Ohio Roadmap (25 min)
11:55	CSU Student Center 3 rd Floor Ballroom	Students present their ideas to their peers using their Roadmaps (1 minute each)
12:40	CSU Student Center 3 rd Floor Ballroom	Brief closing program - students will learn about scholarship and entrepreneurship opportunities available to them at CSU.
1:00		Program ends – Students go to buses and transport

Note: The speakers may speak in a different sequence from that noted above.

Funding for this event has been provided by Burton D. Morgan Foundation.

Principal Speaker Bios

Dr. Julian M. Earls will give a presentation entitled “Entry Descent and Landing on Mars”

Dr. Earls is Executive in Residence at the Ahuja College of Business at Cleveland State University. He retired from the position of Center Director at Glenn Research Center (GRC) in Cleveland, Ohio. He oversaw research, technology and systems development programs in aeronautical propulsion, space propulsion, space power, space communications and microgravity sciences in combustion and fluid physics. He holds eleven university degrees including the B.S. in Physics, the M.S. in Radiation Biology, the M.S. in Radiation Physics, the Ph.D. in Radiation Physics and has been awarded seven Honorary Doctoral Degrees. He is also a graduate of the Harvard Business School Program for Management Development.

Dr. Michele Heath will give a presentation entitled “Health Information Technology”

Dr. Heath holds a recently earned Ph.D. in Information Systems from Cleveland State University. Her research interests include the role of leadership, governance, culture, conflict, team composition, change management, and other core management concepts in the context of health information technology. She holds a MBA from Fisher College of Business. Michele also earned an undergraduate degree in MIS and MPA from University of Akron. Her work has appeared in the following proceedings: Americas Conference on Information Systems, Midwest Association for Information Systems, and Academy of Management. She has also presented her work at several national conferences. Prior to joining the doctoral program at Cleveland State, Michele worked twelve years at Ernst & Young as a IT consultant.

Dr. John Holcomb will give a presentation entitled “Consider a Career Working with Data”

Dr. Holcomb is Professor and Associate Dean of the College of Sciences and Health Professions at Cleveland State University. He holds a Ph.D. in Statistics from the University at Albany. He has collaborated on many research projects that include stroke rehabilitation, weight gain among college freshman, bank expansion, and hunger within Ohio. He has also been involved in extensive curriculum development for statistics education at the college level. Recently, he has been involved as the leader of Operation STEM – a CSU and grant-funded project to help students in Science, Technology, Engineering, and Mathematics (STEM) complete the required coursework in precalculus and calculus to achieve their degree.

Dr. Nigamanth Sridhar will give a presentation entitled “Internet of Things”

Dr. Sridhar serves as the Dean of the College of Graduate Studies and is a Professor in the Department of Electrical Engineering and Computer Science at Cleveland State University. His primary areas of research interests lie at the intersection of Software Engineering and Distributed Systems, with a special emphasis on small embedded systems such as wireless sensor networks. Dr. Sridhar directs the Dependable Systems and Networks Research Group, which is focused on making programming of sensor systems more accessible to scientists and researchers outside the field of Computer Science. Most recently, Nigamanth has been working closely with the Cleveland Metropolitan School District in implementing a CSforAll program. In particular, CMSD will make available a rigorous CS course (Exploring CS and CS Principles) in every one of its high schools. This work is funded by the Cleveland Foundation. Dr. Sridhar received Ph.D. (2004) and M.S. (2000) degrees in Computer Science and Engineering from The Ohio State University, and an M.Sc.(Tech.) (1997) degree in Information Systems from Birla Institute of Technology and Science, Pilani, India. He received an NSF CAREER Award in 2008.