



**Entrepreneurial  
Engagement  
Ohio**



**Entrepreneurial Engagement Ohio and The Ohio Academy of Science invite you to attend the kickoff event of the Ohio Board of Regents and the Ohio Academy of Science's new *Believe in Ohio* program!**

***The Believe in Ohio Spring 2014 Northeast Ohio STEM Commercialization & Entrepreneurship Forum  
February 22, 2014 at Hudson High School***

2/3/2014

**Believe in Ohio** is a FREE new STEM Commercialization and Entrepreneurship Program from the Ohio Board of Regents and The Ohio Academy of Science designed to help prepare Ohio high school students for the future by:

- Introducing them to Ohio's "Innovation Economy of the Future"
- Inspiring them to pursue STEM educations and careers in Ohio
- Encouraging them to become the future innovators and entrepreneurs Ohio needs to help develop the new products, services and jobs of the future.

**The kickoff event for the *Believe in Ohio* program is the Spring 2014 Northeast Ohio STEM Commercialization and Entrepreneurship Forum which will be held on February 22, 2014 at Hudson High School.** The Forum begins at 9:30am and ends at 3:00pm. **All Northeast Ohio high schools are encouraged to send a team of teacher(s) and students to the Forum** where they will:

- Participate in an extraordinary program that will open their eyes to the future, inspire them to "think outside the box" and provide an opportunity to interact with one of the most impressive group of STEM and venture development thought leaders ever assembled for a high school audience.
- Learn how they can participate during the 2014-2015 school year in the full Believe in Ohio program, including an opportunity to compete for nearly \$2 million in cash awards and scholarships to Ohio's colleges and universities in a statewide STEM Commercialization and Business Plan competition.

**There are two ways that students can attend:**

- As a part of a teacher or parent chaperoned group of high school or upper middle school students.
- As an individual student accompanied by a parent, teacher or guardian.

**Teachers are also encouraged to come on their own to learn more about the Believe in Ohio program. If no one from your school is able to bring a group of students, please give copies of this registration package to students who you think might have an interest in a future STEM career. Perhaps their parents will be able to bring them.**

More information about the event and registration materials follows.

Sincerely,

*John Klipfell*

John M. Klipfell, Executive Director  
Entrepreneurial Engagement Ohio  
Believe in Ohio Program Co-Director  
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*Dr. Lynn Elfner*

Dr. Lynn Elfner, CEO Emeritus  
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## ***Spring 2014 NE Ohio STEM Commercialization & Entrepreneurship Forum***

**Who is invited to attend:** High school students (grades 9-12, especially students in grades 9-11 who may be eligible to participate in the full Believe in Ohio program during the 2014-2015 school year) and upper middle school students (grade 8 only) with a potential interest in a career in science, technology, engineering, math or medicine. **Teachers (both STEM and business) are also invited to attend on their own to learn more about the Believe in Ohio program.**

**When:** **Saturday, February 22, 2014 from 9:30am to 3:00pm.** (Registration begins at 8:40am.)

**Where:** **Hudson High School, 2500 Hudson-Aurora Road, Hudson, Ohio 44236**

**Sign up:** **The event is FREE.** Register by email or fax. Complete and email or fax the following Registration Form (or email the equivalent information) to [EEOProgramCoordinator@gmail.com](mailto:EEOProgramCoordinator@gmail.com) or 440-546-7289 (fax line). Registration will be limited to 800 total participants. Register early to ensure your school's and students' participation and availability of a transportation subsidy for your school.

**Two different ways students may attend:**

- 1) As a part of a teacher or parent chaperoned group of high school or 8<sup>th</sup> grade middle school students. Generally, each school may bring up to 30 students. If you wish to bring more, please enquire about space availability.
- 2) Individual students accompanied by a parent or teacher chaperone.

**Teacher/parent chaperone responsibilities:** All groups or individual attending students **must be accompanied by at least one adult chaperone** who will assume responsibility for their students who attend.

**Please email or fax the following registration information to:** Program Coordinator, Ms. Karen Schroedel, at [EEOProgramCoordinator@gmail.com](mailto:EEOProgramCoordinator@gmail.com) or 440-546-7289 (fax line).

**Final registration deadline** is Tuesday, February 18, 2014 at 5pm, however to aid our planning, if at all possible please let us know by Friday, February 14, 2014, or sooner, if individual teachers or teachers bringing students plan to attend.

**Required registration information:**

School name, address, city, state, zip code: \_\_\_\_\_

\_\_\_\_\_

Number of students/teachers attending: \_\_\_\_\_ Grade levels of students who will attend: \_\_\_\_\_

Contact person name & position: \_\_\_\_\_

Contact person address, city, state, zip code: \_\_\_\_\_

Contact person email: \_\_\_\_\_ Phone #: \_\_\_\_\_

**Once your registration application is received and approved, shortly before the event, we will send out final program materials, entry tickets, maps and driving instructions, and other materials.** Also, included will be information about how teachers may request "Certificates of Participation" for attending students to use on college application resumes.

\_\_\_\_\_ **Check here if you wish to request a transportation subsidy** to help provide transportation for your students to attend. (Usually limited to \$150 for schools that bring at least 10 students to the Forum.)



## Spring 2014 Northeast Ohio STEM Commercialization & Entrepreneurship Forum

Hudson High School – Saturday, February 22, 2014

### Timetable of Activities

Time	Location	Opening Program
8:40	Auditorium area	Registration begins
9:30	Auditorium	Program begins – Dr. Julian M. Earls (Host)
9:40	Auditorium	EEO Video – “Are You Ready for the Future” (Fall 2013 Update)
9:45 – 10:00	Auditorium	Believe in Ohio Program and Introduction to the Innovation Economy of NE Ohio – Mr. John Klipfell, Co-Director, Believe in Ohio program
10:00– 10:30	Auditorium	Keynote Speaker – Mr. Aram Nerpouni, President, BioEnterprise
10:30		Opening program ends, 10 minute break to move to new venues
		<b>STEM Speaker Series – Part 1</b> (During the course of the day, each student will be able to attend four speaker talks from among a total of twelve talks that will be given.)
10:40	Breakout room	STEM speaker – Session 1 begins
11:20	Breakout room	Session 1 ends, short, in room break
11:25	Breakout room	STEM speaker – Session 2 begins
12:05		Speaker Series, Part 1 ends, 10 minutes for students to go to lunch area
<i>(Each speaker’s talk will generally include the following: a) Overview explanation of their discipline (3-5 minutes), b) Core talk (20-22 minutes), c) Entrepreneurial vision of the future (5 minutes), d) What inspired speaker to pursue their career? (5 minutes), (e) Student interaction with the speaker/Q &amp; A (5 minutes). This format also applies to STEM Speaker Sessions 3 and 4.)</i>		
		<b>Lunchtime Activities</b>
12:15	Cafeteria & Gym	Pizza lunch for students, teachers and mentors
12:40	Cafeteria & Gym	Lunch period ends, 10 minutes for students to go to Speaker Series, Part 2
		<b>STEM Speaker Series – Part 2</b>
12:50	Breakout room	STEM speaker – Session 3 begins
1:30	Breakout room	Session 3 ends, short, in room break
1:35	Breakout room	STEM speaker – Session 4 begins
2:15		Speaker Series, Part 4 ends, 10 minutes for students to go to the Auditorium for the closing program
		<b>Concurrent Activities (for teachers and other parties of interest)</b>
12:50 – 1:30 or 2:15	Breakout rooms	Further explanation about the Believe in Ohio program and discussions about how teachers and other parties may participate in the Believe in Ohio program
		<b>Closing Program</b>
2:25 – 3:00	Auditorium	Dr. Julian Earls & Mr. Johnathan Holifield – Inspiring call to action – you can do this – next steps students and teachers can make.
		Students take away goody bags that will include additional program information

## **Spring 2014 NE Ohio STEM Commercialization & Entrepreneurship Forum**

### **Benefits for teachers and students include:**

- Free morning snack and pizza & soft drink lunch.
- Students will learn that the future presents tremendous challenges and opportunities that they must begin to think about and prepare for.
- Students will learn that much visionary science & technology research and development is taking place all around them in Ohio that they can be part of in the future.
- Students will learn that the resources, expertise and opportunities needed to have great STEM careers and bring their entrepreneurial ideas to life exist for them in Northeast Ohio.
- Students (and their teachers) will learn how they can participate in the full Believe in Ohio program during the 2014-2015 school year, including an opportunity to compete for nearly \$2 million in cash awards and scholarships to Ohio's colleges and universities in a statewide STEM Commercialization and Business Plan competition.
- Students will receive a Certificate of Participation that they can cite on their college applications.
- Teachers who attend the Forum can obtain one graduate credit hour of Professional Development credit from Ashland University, at a reduced cost of \$50 (normally \$175) if they bring ten or more students to the Forum.

### **The following is the roster of distinguished speakers expected for the February 22, 2014 STEM Forum:**

- **Mr. Aram Nerpouni**, Keynote Speaker, President of BioEnterprise (will speak about the business formation, recruitment and acceleration efforts to grow healthcare companies and commercialize bioscience technologies in Northeast Ohio)
- **Mr. Jeffrey Charlap**, Staff Toxicologist at WIL Research Labs (will speak about developments in the fields of toxicology and pharmaceuticals)
- **Dr. Katrina Cornish**, Ohio State University (will speak about bioemergent materials, value-added products and biofuels)
- **Dr. Brian L. Davis**, Chair, University of Akron Dept of Biomedical Engineering (will speak about developments in the field of medical devices)
- **Dr. Ali Dhinojwala**, Professor of Polymer Science, University of Akron (will speak about development in the field of polymer science)
- **Dr. Julian Earls**, retired Director – NASA Glenn Research Center & Executive in Residence at Cleveland State University (will host the program and offer his inspiring words of wisdom)
- **Mr. Johnathan Holifield**, Vice President of Inclusive Competitiveness at NorTech (will speak about the opportunities today's students will have in the future)
- **Mr. Paul G.P. Hoogenboom**, Sr. Vice President, RPM Intl, Inc. (will speak about advanced material developments)
- **Mr. John Klipfell**, Exec Dir, Entrepreneurial Engagement Ohio (will speak about the NE Ohio Entrepreneurial Ecosystem)
- **Mr. Chris Mather & Mr. Ted Theofrastous** from the Tech Belt Energy Innovation Center (will speak about developments in the world of advanced energy)
- **Dr. Sasi Pillay**, Chief Technology Officer for Information Technology for NASA will speak about information technology developments)
- **Dr. Kurt Sacksteder**, Chief of the Space Environment & Experimentation Branch of NASA Glenn Research Center (will speak about NASA's plans for space exploration)
- **Ms. Elizabeth Sump**, Director- Government Relations, Cleveland Clinic and **Mr. JeShaune Jackson**, Cleveland Clinic Innovations (will speak about recent developments at the Cleveland Clinic)
- **Mr. Pat Valente**, Executive Director of the Ohio Fuel Cell Coalition (will speak about the many developments in Ohio's growing fuel cell industry)
- **Dr. Woodrow Whitlow, Jr.**, recently retired Associate Administrator for Mission Support at NASA (will speak about how NASA research and development over the years has been a catalyst for innovation throughout our economy)
- **Dr. John West**, KSU Trustees Research Professor (will speak about liquid crystal technology developments and developments at KSU's Liquid Crystal Institute)