

THE MAINE STEM  
COLLABORATIVE  
WELCOMES YOU TO THE



## 2018 Maine STEM Summit



November 16 • 7:30 AM - 4:00 PM  
Central Maine Community College



# **LOOKING AHEAD: DEFINING & ADVOCATING FOR STEM**

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The Maine STEM Summit provides an opportunity to foster discussion, engagement, and innovation across the education, workforce, and technology sectors of Maine.

Join the conversation about how to increase the capacity and access to Science, Technology, Engineering, and Math (STEM) for all students throughout Maine.

To address this year's theme, the conference will focus on the following topics:

**Equity in STEM**

**Innovative Partnership**

**Pre-Service & In-Service for In & Out of School Learning**

**STEM Career Pathways**

**STEM Education Innovation Challenge Grant Competition**

# AGENDA

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- 7:30-8:00 REGISTRATION
- 8:00-8:15 WELCOME
- 8:15-8:45 BREAKFAST
- 8:45-9:45 BREAKOUT BLOCK 1
- 9:45-10:30 EXHIBITS/NETWORKING
- 10:30-11:30 BREAKOUT BLOCK 2
- 11:45-12:30 LUNCH
- 12:30-1:15 KEYNOTE SPEAKER:  
DR. JOAN FERRINI-MUNDY,  
PRESIDENT OF THE UNIVERSITY OF MAINE
- 1:30-2:30 BREAKOUT BLOCK 3
- 2:45-3:15 ROUNDTABLE DISSEMINATION
- 3:30-4:00 INNOVATION CHALLENGE

# SPEAKERS



Dr. Scott E. Knapp, President of Central Maine  
Community College

Dr. Joan Ferrini-Mundy, President of the University  
of Maine

Stefany Burrell, Maine State Science Fair

Lisa Martin, Manufactures Association of  
Maine/Robotics Institute of Maine

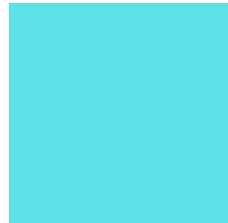
Peter Greer, PCS Edventures

Dr. Ruth Kermish-Allen, Maine Mathematics &  
Science Alliance

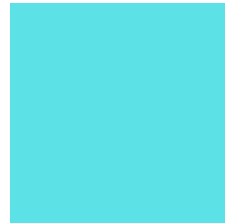
Michele Mailhot, Maine Department of Education

Lauren Swett, Maine Engineering Promotional  
Council

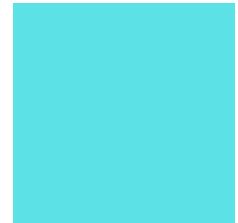
# EXHIBITORS



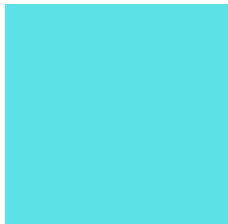
Manufacturers  
Association of  
Maine/Robotics  
Institute of Maine



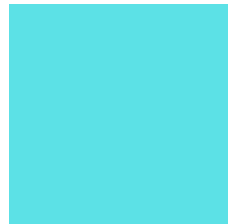
Maine  
Aquaculture  
Association



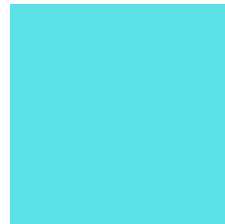
AIA Maine +  
Maine Section  
of ASLA



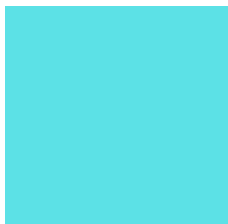
4-H Science/4-H  
STEM



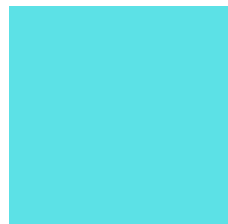
Maine Ocean  
School  
Foundation



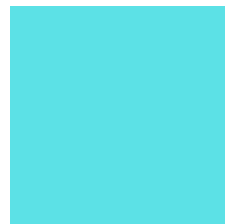
Challenger  
Learning Center  
of Maine



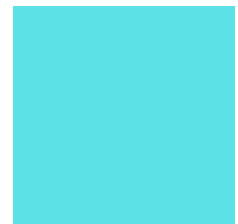
University of New  
England, Dept. of  
Mathematical  
Sciences



Project Lead  
the Way

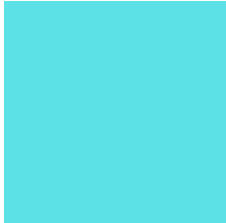


WiSTEMM  
University of  
Maine

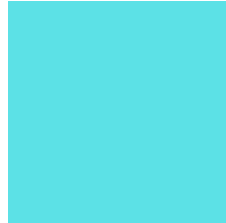


UMaine 4-H  
Camp and  
Learning Centers

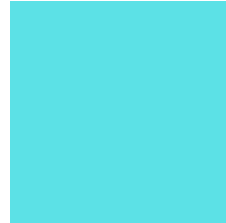
# EXHIBITORS



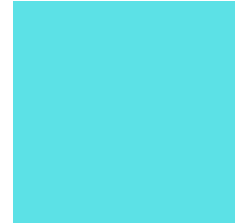
STEAM Engine  
Education



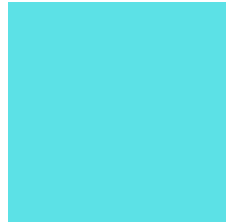
Portsmouth Naval  
Shipyard



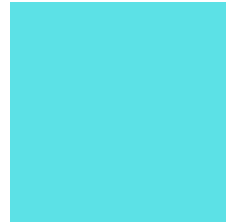
Maine Center for  
Research in  
STEM Education



Mad Science of  
Maine



Maine  
Engineering  
Promotional  
Council



PCS Edventures!



Maine Project Learning Tree/  
Maine TREE Foundation

PassivhausMAINE

Maine Sea Grant

# BREAKOUT BLOCK I

8:45 - 9:45

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## EQUITY IN STEM

1. STEM Hiding in Plain Sight, **Jalbert 410**
2. STEM Equity through Mirrors and Windows: How do we reflect on our practice while also seeing other practices in action, **Kirk Auditorium**

## PRE-SERVICE & IN SERVICE

3. Professional Learning Standards - A Driver of Professional Development?, **Jalbert 15**
4. What about preschool and afterschool STEM?, **Tower 303**

## STEM CAREER PATHWAYS

5. Nontraditional ways to get the word out about STEM careers, **Lapoint 216**

## INNOVATIVE PARTNERSHIP

6. Enhancing student mathematical experiences through an investigative partnership, **Jalbert 500**
7. In Support of Mathematics Teachers/Coaches, **Kirk Gym**



# BREAKOUT BLOCK 2

10:30-11:30

## EQUITY IN STEM

8. Using Data to Identify Challenges and Measure Progress Towards Equity in STEM Education, **Tower 303**

9. Designing STEM Experiences for Disaffected / Underserved Youth, **Jalbert 500**

## PRE-SERVICE & IN SERVICE

10. Learning in-, From-, and For- Next Generation Science Teaching, **Jalbert 410**

11. Classroom to School Leadership, **Lapoint 216**

## STEM CAREER PATHWAYS

12. Connecting Maine's Classrooms to their Communities through Citizen Science, **Kirk Gym**

## INNOVATIVE PARTNERSHIP

13. 4-H STEM Ambassadors-a multi-layered partnership that (mostly) works, **Jalbert 15**

14. Going the Distance for STEM!, **Kirk Auditorium**

# BREAKOUT BLOCK 3

1:30-2:30

## EQUITY IN STEM

15. Unpacking the “We Belong Here Report” - A Toolkit for Equitable STEM Education in Maine, **Jalbert 410**

## PRE-SERVICE & IN SERVICE

16. Bringing Maine into the 21st Century with computer science education, **Jalbert 15**

## STEM CAREER PATHWAYS

17. What Will Organizations Look Like in 2025?,  
**Kirk Auditorium**

18. Your Voice Needed - Provide Feedback & Guidance to the Maine STEM Council, **Tower 202**

19. Rethinking Maine STEM Pathways: Evidence-based directions towards a future STEM workforce, **Lapoint 216**

20. Educators and Business Leaders Working Together To Support Student Career Pathways, **Tower 303**

## INNOVATIVE PARTNERSHIP

21. Supporting STEM Teaching & Learning through Regional Teacher Communities, **Tower 302**

22. Targeting persistent problems in STEM Education through the development of a research centered STEM Education improvement community, **Jalbert 500**

# THANK YOU



## MAJOR SPONSORS



[www.mainstem.org](http://www.mainstem.org)