

The workshop will address and integrate three overarching themes:

- Age Specific Educational Models – K-20 Educational Models
 - K-12 Educational Models
 - Programs that focus on engaging middle school and secondary school students using hands-on curriculum in science, technology, engineering, or mathematics
 - Undergraduate to Graduate Outreach
 - Programs that focus on unique research experiences or training experiences for higher education students or STEM teachers
 - Informal Educational Models
 - Models that involve afterschool programs, summer programs, or informal settings for students
- Models with Strongly Integrated Research
 - Research topic specific for students
 - Programs that focus on school students collecting “real data” for discovery
 - Research topic specific with teacher-student teams or paired graduate/undergraduate student teams
 - Programs that pair teams of researchers with schools or community groups and interact on research topics
 - Research topic specific to a focus on community wide teams
 - Unique models that involve the community at large in data collection and research
- Technology or Special Resources Enhancing Outreach
 - Models that use technology or unique resources to enhance teaching
 - Programs that actively integrate technology into the school curriculum
 - Models that use technology to promote interaction and collaboration
 - Models and programs that use technology to link student groups and share information
 - Models that use technology or other special resources to address unique niche issues
 - Unique programs that are used to enhance STEM education, to collaborate, or to share data