STEM Teaching and Learning in a Climate of Uncertainty and Unrest

Northeast Regional Conference of the Association for Science Teacher Education
First Virtual Conference
Friday, October 2, 2020
Welcome!

The Executive Board of the Northeast Region of the Association for Science Teacher Education is pleased to welcome you to our first ever virtual conference! Despite the current uncertain times, we want to provide an opportunity to share research and practice to go on so we can all continue to grow and learn from one another. We look forward to organizing our usual, more extensive event next year.

We hope to see you then!

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The Northeast Chapter of the Association for Science Teacher Education is committed to promoting excellence in science teacher education through scholarship and innovation. Please contact current regional leaders for more information and consider getting involved with our international organization.
Dr. Ana Fernandez-Sesma
Professor of Microbiology at Icahn School of Medicine at Mount Sinai. Her group studies the modulation of innate immunity by viruses of human health interests, such as dengue (DENV), influenza (IAV), and others using primary human systems, such as dendritic cells, macrophages, and tonsils. She currently participates in several multi-investigator projects that use OMICS technologies to study immune responses to viral infections. She is also very committed to graduate education and mentoring. She has co-authored over 75 publications and is on the editorial board of several journals. She has participated in several study sections for the NIH, CDC, and DoD and is currently a member of the NIH/NIAID/DMID Council.
The format for this year’s roundtable discussions is 20 minutes for each discussion. The link provided is for both discussions in that room. Feel free to switch rooms, if desired.

**Zoom A:** click [here](#) to join, passcode: 549309

**Access and STEM Success, Syrian Students and Higher Education**  
Habiba Khokhar, Teachers College, [Habiba.Khokhar@cuny.edu](mailto:Habiba.Khokhar@cuny.edu)  
Wael Al Hallak

**Using STEM, Social Justice, and Youth Participatory Activism to Promote Student Critical Consciousness**  
Yvonne Thevenot, Teachers College, [yt2567@tc.columbia.edu](mailto:yt2567@tc.columbia.edu)

**Zoom B:** click [here](#) to join, passcode: 661368

**What High School STEM Teachers Need to Know**  
Judith Gouraige, Stony Brook University, [jmgouraige6@gmail.com](mailto:jmgouraige6@gmail.com)

**Professional Journals in Science Education: For Teachers, but By Teachers?**  
Cole Entress, Teachers College, [cje2120@tc.columbia.edu](mailto:cje2120@tc.columbia.edu)

**Zoom C:** click [here](#) to join, passcode: 108014

**Developing Justice-Centered Curricula in Chemistry and Physics**  
Maria Rivera Maulucci, Barnard College, [mriveram@barnard.edu](mailto:mriveram@barnard.edu)  
Victoria Krovatin, Barnard College  
Krystina Williamson, Barnard College

**Trauma Informed Teaching as Gateway to Science**  
Shpresa Ahmeti, CUNY, [Shpresa.Ahmeti@cuny.edu](mailto:Shpresa.Ahmeti@cuny.edu)  
Habiba Khokhar, Teachers College
The format for this year’s poster session is via individual Zoom rooms. Please visit the link for the poster you wish to view and be respectful of conversations already in progress.

**Enlarging a Near-Peer Mentoring Network: Branching Prior STEM Undergraduate Research with HS Independent Study into Multi-Scale Portable Simulation Environments with Virtual Outside Advisers;** Zoom A: click [here](#) to join, passcode: 549309

John Hanning, Archimedes Aerospace LLC, jhanning@archimedesaerospace.com

**Passing the Baton to Orbit: Space simulation knowledge and skills Transfer between out-going and incoming HS intern members of the FISAR Project Near-Peer Mentoring Team;**

Zoom B: click [here](#) to join, passcode: 661368

Abby Chase, Essex HS STEM Academy, achase@vt.ewsdo.org

Brendyn Byrne, Essex HS STEM Academy

John Hanning, Archimedes Aerospace LLC

**Designing with a Portable Electronics Lab: Upgrading virtual Arduino simulators from TinkerCAD to Proteus to refine light sensor designs with additional field-portable electronics lab instruments for the FISAR Project Near-Peer Mentoring Team;**

Zoom C: click [here](#) to join, passcode: 108014

Duncan Hacker, UTC Aerospace Systems Vergennes, djhax.hacker@gmail.com

Brian Stunkel, University of Vermont College of Engineering, Mathematics & Statistics

John Hanning, Archimedes Aerospace LLC

**Flying and Coaching the Virtual RC Field: Remote training field access and asynchro-nous flight instruction using the Real Flight RC flight SIM by the FISAR Project Near-Peer Mentoring Team;**

Zoom D: click [here](#) to join, passcode: 573619

Brian Stunkel, University of Vermont College of Engineering, Mathematics & Statistics, Brian.Stunkel@uvm.edu

Jim Bergen, Academy of Model Aeronautics - Pine Island Aero Modelers

John Hanning, Archimedes Aerospace LLC

**One Preservice Teacher’s Reflection on Collaborative Co-teaching in Science and Special Education While Student Teaching: Exploring Inclusive Pedagogy in Action**

Zoom E: click [here](#) to join, passcode: 957712

Ibrahim Dincer, Teachers College, ldd2108@tc.columbia.edu

Jessica Riccio, Teachers College

Amanda Mazin, Teachers College
The format for this year’s presentations is to share a 15 minute pre-recorded video presentation, followed by five-eight minutes for Q & A.

**Zoom A: click [here](#) to join, passcode: 549309**

*The Effects of Computational Thinking Professional Development on STEM Teachers’ Perceptions and Pedagogical Practices*

Sarah Haines, Towson University, shaines@towson.edu

Mike Krach, Towson University

*Characterizing Secondary STEM Master Teachers’ Instructional Strategies When Transitioning to Remote Settings*

Jeffery Radloff, State University of New York College at Cortland, jeffrey.radloff@cortland.edu

Dominick Fantacone, State University of New York College at Cortland

Angela Pagano, State University of New York College at Cortland

**Zoom B: click [here](#) to join, passcode: 661368**

*Secondary Teachers’ conceptions and practices of place-based education*

Regina E. Toolin, University of Vermont, rtoolin@uvm.edu

Mike Blouin, University of Vermont

*The Teaching of STEM to Displaced Persons: Supporting Pre-service Teachers to Teach STEM in Non-formal Refugee Context*

Erika Gillette, College of Mount Saint Vincent, erikagillette@gmail.com

**Zoom C: click [here](#) to join, passcode: 108014**

*Formative Assessment: Preservice Teachers’ Learning and Evolving Knowledge*

Comfort Ateh, Providence College, cateh@providence.edu

*Making Sense of the Science-Engineering Relationship: Pre-Service Teachers’ Views and an Online Teacher Education Module*

Jacob Pleasants, Keene State College, jacob.pleasants@keene.edu
NEASTE CHAPTER BUSINESS: 12:30 – 12:45PM

Zoom A: click here to join, passcode: 549309

Graduate Student Travel/Registration Award Presentation

Graduate students who presented today and wished to be considered for the travel award were rated by a team of faculty to receive this award.

Business Meeting

We will give a brief summary of our chapter’s finances and work for the coming year.

Farewell

Thank you to all who presented and attended our virtual conference today! We hope to see you in person next year when we can resume our robust activities!

HOPE TO SEE YOU ONLINE IN JANUARY!

2021 International Conference

Join us in Virtual Space on January 13-16, 2021

The leadership of ASTE has determined that the conference will be virtual for 2021.

Details beyond that are still being decided.

theaste.org