

Metro NExT (New Experiences in Teaching) Workshop

Saturday, September 26, 2020

10am-2pm



metronext.github.io

The Metro NExT Workshop is a mathematics pedagogy and professional development workshop geared towards graduate students, postdocs, and early-career mathematicians. The workshop is also open to anyone who is interested in learning new teaching techniques, forming a mathematical network, and finding new connections and collaborators.

Registration

To register for the workshop, please complete the following form. A zoom link will be sent to registered participants on Friday, September 25.

bit.ly/metronextworkshop2020

Invited Speaker

Brian Winkel received his PhD in Noetherian Rings from Indiana University in 1971 and has taught in liberal arts, engineering, and military institutions. He is Emeritus Professor of Mathematics from the United States Military Academy, West Point NY. Early he found his passion in teaching mathematics in context with applications to motivate student learning with an emphasis on modeling in differential equations coursework. He founded the journals *Cryptologia* and *PRIMUS- Problems, Resources, and Issues in Mathematics Undergraduate Studies*, now both available to all MAA members and currently directs SIMIODE – Systemic Initiative for Modeling Investigations and Opportunities with Differential Equations (www.simiode.org).

Sessions

Modeling in Your Differential Equations Course (*Brian Winkel, SIMIODE*)

We will engage you in modeling in a differential equations course by experiencing and walking through such activities as m&m Death and Immigration, LSD Modeling and Arithmetic Performance, Modeling Falling Column of Water, Yeast Modeling, and Tuned Mass Damper. These are all freely available modeling scenarios at SIMIODE - www.simiode.org

Lightning Talks

(Moderators: Ben Gaines, Iona College and Sam Ferguson)

All participants are also invited to share your own teaching and/or research work in (roughly) 3 slides and 5 minutes. Please email bgaines@iona.edu by 5pm, Sept 22 to participate.

Building Inclusive Communities of Learners in Online Classrooms

(Moderators: Monica Morales Hernandez, Adelphi University and Tia Sondjaja, New York University)

In this session, participants will contribute questions, ideas, and their experience. Our goal by the end of the session is to create a shared document that collects the ideas generated during the discussions.

Questions?

Please visit the workshop webpage (metronext.github.io/events) or email the organizers: Ben Gaines (bgaines@iona.edu), Tia Sondjaja (sondjaja@nyu.edu), and Johann Thiel (jthiel@citytech.cuny.edu)