

PHYSTC20-2019-000021

Abstract for an Invited Paper
for the PHYSTC20 Meeting of
the American Physical Society

**Advice from the trenches: A panel of physics teachers discusses how they were (or were not)
prepared by their teacher education programs**

MATTHEW BLACKMAN¹, Rutgers University, Ridge High School

How effective is teacher prep in physics? A group of teachers from a variety of backgrounds across the United States discuss their experiences teaching high-school physics, and which aspects of their teacher preparation programs were most useful for the realities of the modern-day physics classroom. Led by PhysTEC Teacher of the Year Matthew Blackman, the panel will explore ideas regarding giving teachers the tools to design quality lessons and labs long after graduation, building professional learning communities, balancing content knowledge and pedagogy, promoting effective use of language, helping teachers navigate the certification process, utilizing educational technology, and much more! Join us for a candid and thoughtful discussion about what works and what is still most needed by teachers who have graduated from physics education programs and found success in the classroom.

¹Matthew Blackman is a high school AP Physics 1 and 2 teacher, graduate instructor for the Physics Education masters degree program at Rutgers University, and the designer/developer of Universe and More educational physics games.