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Abstract for an Invited Paper
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Pedagogical Reforms in Physics from Ground Zero¹

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The goal of this talk is to provide a practitioner-focused overview of several instructional reforms implemented at the University of Georgia over the past decade, informed by Physics Education Research. At the introductory physics level, we focus on the SCALE-UP model of “flipped classroom” instruction and the use of undergraduate Peer Learning Assistants (PLAs) in the classroom. In the upper-level majors courses, I’ll discuss recent experiences with introducing standards-based grading and computational physics projects in quantum mechanics. Finally, I will describe how our department is partnering with other STEM disciplines at UGA to promote sustained and systemic shifts in undergraduate educational practices.

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