## Graduate Programs in CS Education: Why 2020 is the Right Time

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Opportunities for training CS K-12 pre-service and in-service teachers, research in CS Education, and career pathways for PhDs/EdDs in CS education are happening, but often in an uncoordinated way. We advocate that now is the right time for CS and Education to collaborate on developing new joint degree programs in Computer Science Education and to explore joint faculty appointments. High undergraduate enrollment in computing programs and the increasing interest in CS courses from non-majors represent a unique opportunity for starting successful programs. As more of CS undergraduates are undergraduate TAs and see teaching and learning from a non-learner perspective, their interest in education has also increased. The growing interest in CS education, including the need for effecting CS teaching at both K-12 and the undergraduate level, provide interesting job opportunities for CS education researchers. As CS departments develop new undergraduate degree programs and scale class sizes, research on guestions like How do we teach effectively computing to different audiences? How can we assess CS learning? What are culturally responsive pedagogies? is important. To answer many of these and related questions, CS departments should be actively engaged in CS Education research. from training graduate students in interdisciplinary programs to research programs. This BOF will provide a platform for the discussion on what such graduate programs - from certificate to a PhD - can and should look like, what challenges exist to creating them, and how students with different backgrounds should get trained in the relevant foundations of CS and Education.

**Keywords:** Computer science education research; Graduate programs; New interdisciplinary degrees.

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