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Title

Science and engineering doctoral student sozialisation, logics, and the national economic agenda : alignment or disconnect? / Matthew M. Mars ; Kate Bresonis ; Katalin Szelényi

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Abstract

This study explores the institutional logics and socialization experiences of STEM doctoral students in the context of the current American economic narrative that is specific to science and technology. Data from qualitative interviews with 36 students at three research universities first reveals a disconnect between a well-established national science and technology policy narrative that is market-oriented and the training, experiences, and perspectives of science and engineering doctoral students. Findings also indicate science and engineering doctoral students mostly understand entrepreneurship and innovation in the contexts of funding research activities and creating social impact, which parallel rather than oppose dominant academic values and norms. Based on the findings, we contend that it is both possible and prudent for universities and graduate programs to pursue strategies that align science and engineering doctoral education with the current national economic agenda and support the personal, professional values and perspectives of students without

09.9.2025

coming in conflict with the scientific core of the academy. (HRK / Abstract übernommen)