Diversity and Equity in Postsecondary STEM Education: Moving Past the Interest-Convergence Dilemma
National Diversity and Equity Workshop, OXIDE
April 25, 2017
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"Science has not been served well by our past prejudice and discrimination; we have lost time, talent, and ideas." *Shirley Malcolm*

Interest-Convergence Dilemma

Interest-Convergence (Bell, 1980; 2004) suggests that progress toward equality depends on whether such opportunities best serve the interests of affluent society. The historical advancement of marginalized populations is a result of being fortuitous beneficiaries of measures directed at furthering aims other than equity.


Rationale for Diversity and Equity in Postsecondary STEM Education

• Primary focus on the economic implications for persistent inequalities in STEM fields

• In the face of growing global competitiveness, strengthen the U.S. advantage in STEM

• Diversity is a ‘competitive asset’ for increasing human capital in STEM education
Emphasis on Compositional Diversity

If you recruit just numbers, you bring students who are all over the board. You don’t have the programs in place, they are not successful, and then everyone is, “I told you they couldn’t be successful here . . . [T]hey just don’t have what it takes—it’s just not part of their background.” STEM Diversity Program Director, ‘Lake University’

Short-Term Cost-Benefit Approach

“Everything was cast as budget. While [the Dean] certainly was a proponent of diversity . . . [the Dean would] look at it in terms of greater return, ‘What does this cost versus what do I get out of it?’”

Administrator, ‘Hill University’
Outside the Core Mission

“[Our program] is viewed as pro-bono work. It’s viewed as charity. It’s viewed as eating your spinach because it’s good for you.” STEM Diversity Program Director, ‘Lake University’
Beyond the Interest-Convergence Dilemma

- STEM equity means giving more attention to institutional transformation for retention, not just individual development for persistence.

- STEM equity challenges the hypocrisy of supporting calls to increase diversity while cutting/reducing campus programs that have demonstrated success (e.g. TRIO, McNair, LSAMP).

- STEM equity recognizes that as long as faculty engagement with diversity initiatives is considered trivial and not ingrained into the reward structure of the institution, progress toward equitable opportunities will remain limited.
Equity-Minded STEM Educators

There is, then, good news that is like water to a thirsty soul. It is the opportunity existing all around us to recognize the injustices that exist and to accept the challenge to make things better. . . . The victory goes to those who accept the challenge and, against all the odds, go forward. Derek Bell, 2012

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