

Abstract Submitted  
for the PHYSTEC17 Meeting of  
The American Physical Society

**Recruiting Teachers in High Needs STEM Fields<sup>1</sup>** MICHAEL MARDER, The University of Texas at Austin — The United States faces persistent shortages of appropriately prepared middle and high school STEM teachers in high needs fields, particularly physics, chemistry, and computer science. The American Physical Society, American Chemical Society, Computing Research Association and Mathematics Teacher Education Partnership surveyed over 6000 current and recent majors in our disciplines. Our recommendations to professional societies and disciplinary departments are to :

- Promote middle and high school teaching with undergraduate majors and graduate students.
- Support high quality academic programs that prepare students for STEM teaching, and expand good models to more universities.
- Expand programs that provide financial and other support for students pursuing STEM teaching.
- Advocate for increases in annual compensation, including summer stipends, on the order of \$5K–\$25K for teachers in the hardest to staff STEM disciplines.
- Support programs that improve the professional life and community of STEM teachers.

<sup>1</sup>This work was supported by the American Physical Society Panel on Public Affairs

Michael Marder  
The University of Texas at Austin

Date submitted: 04 Jan 2017

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