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Abstract for an Invited Paper for the APR15 Meeting of the American Physical Society

## Joseph A. Burton Forum Award Talk: Science for Diplomacy, Diplomacy for Science

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I was a strong proponent of "science diplomacy" when I became Science and Technology Adviser to the Secretary of State in 2011. I thought I knew a lot about the subject after being engaged for four decades on international S&T policy issues and having had distinguished scientists as mentors who spent much of their time using science as a tool for building better relations between countries and working to make the world more peaceful, prosperous, and secure. I learned a lot from my three years inside the State Department, including great appreciation and respect for the real diplomats who work to defuse conflicts and avoid wars. But I also learned a lot about science diplomacy, both using science to advance diplomacy and diplomacy to advance science. My talk will focus on the five big things that I learned, and from that the one thing where I am focusing my energies to try to make a difference now that I am a private citizen again.