1086-E5-2525   **Lily S Khadjavi*** (`lkhadjavi@lmu.edu`), Loyola Marymount University, 1 LMU Drive, Suite 2700, Los Angeles, CA 90045, and **Tanya Moore** (`tanya.a.moore@gmail.com`), Building Diversity in Science, 1618 Sullivan Ave. #302, Daly City, CA 94015-1967. *Promoting diversity in the mathematical sciences: the Infinite Possibilities Conference.* Preliminary report.

African-American, Hispanic/Latina, and Native American women are underrepresented in mathematics, both historically and today. According to American Mathematical Society figures from 2010, not quite a third of new doctorates were granted to women (472 of 1475), and only 26 of those were from underrepresented groups. The Infinite Possibilities Conference (IPC) aims to address this by fulfilling a need for role models and community-building; providing greater access to information and resources for success in graduate school and beyond; and raising awareness of factors that can support or impede underrepresented women in the mathematical sciences. A unique gathering, the conference brings together participants from across the country, at all stages of education and career, for mentoring and for mathematics. The conference was first held in 2005 at Spelman College but has since been co-hosted by Building Diversity in Science and each of North Carolina State University, University of California Los Angeles, and University of Maryland-Baltimore County. A description of the conference and its evolution will be presented, along with lessons learned and the immediate and broader impacts of IPC. (Received September 25, 2012)