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# TRPI

The Tomás Rivera Policy Institute

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## **Four New Reports Released to Spur Latinos into Science, Mathematics, Technology, Engineering and Mathematics (STEM) Fields**

**New York:** TRPI, in partnership with IBM released these studies May 5, at a summit meeting entitled *America's Competitiveness: Hispanic Participation in Technology Careers* addressing the serious shortage of Latino professionals in the Science, Technology, Engineering and Mathematics (STEM) disciplines. Over 130 leaders in education, business, government and not-for-profit organizations from around the United States participated in this important summit meeting, meant to create a path to success for Latinos in these advanced professions. The summit was sponsored by IBM with co-sponsors Univision, ExxonMobil, and Lockheed Martin.

*The Four Reports:*

### **1. STEM Professions: Opportunities and Challenges for Latinos in Science, Technology, Engineering and Mathematics—A Review of Literature**

- Opportunities waiting for Latinos in STEM professions: Trends in Degree Attainment, Levels of Employment, and Latino Women in the STEM Workforce.
- Challenges Faced by Latinos in Pursuing STEM Degrees: Student Behavior Characteristics, School/Institution Factors, Family Characteristics
- Recommendations on Addressing Challenges and Taking Hold of Opportunities

To read this full report, please use the following URL:

[www.trpi.org/PDFs/STEM%20Lit\\_Final.pdf](http://www.trpi.org/PDFs/STEM%20Lit_Final.pdf)

### **2. Computer Use, Parental Expectations & Latino Academic Achievement**

- Academic Disparities Explained by Factors other than Race/Ethnicity
- Effects of Computer Use on Academic Achievement
- Mother's Education and Parental Expectations Contributing to Positive Effects on Test Scores
- Policy Implications of Findings

To read this full report, please use the following URL:

[www.trpi.org/PDFs/Quant%20Study\\_Final.pdf](http://www.trpi.org/PDFs/Quant%20Study_Final.pdf)

**3. Latinos in STEM Professions: Understanding Challenges and Opportunities for Next Steps—A Qualitative Study Using Stakeholder Interviews**

- Barriers Faced by Latinos in STEM Careers
- Opportunities for Latino Professionals in STEM Fields
- Ways to Prepare and Motivate Latino Students to Enter STEM Fields
- Current Opportunities for Latinos in STEM
- Interventions, Next Steps and Areas for Collaboration among the Federal Government, School Districts, Schools and the Private Sector.

To read this full report, please use the following URL:

[www.trpi.org/PDFs/STEM%20Stakeholder\\_Final.pdf](http://www.trpi.org/PDFs/STEM%20Stakeholder_Final.pdf)

**4. Science, Technology, Engineering & Mathematics Directory of Schools, Programs & Scholarships**

- Directory of Schools with a STEM Focus, Including Objectives, Enrollment Information, and Awards and Recognitions
- Directory of STEM Programs, Including Descriptions, Objectives and Requirements
- Directory of STEM Scholarships, Including Citizenship and other Eligibility Requirements and Contact Information

To read this full report, please use the following URL:

[www.trpi.org/PDFs/STEM%20Directory\\_Final.pdf](http://www.trpi.org/PDFs/STEM%20Directory_Final.pdf)

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