

AGENDA

Committee on Pathways to Doctoral Degrees in Computing

Meeting 4

March 28, 2023

Virtual

<https://nasem.zoom.us/j/98219187806?pwd=WDFWaXpkTo9Mckxady82aUYzNnFMUT09>

MEETING OBJECTIVES

- Discuss faculty recruitment, hiring, and retention trends in computing and broader science and engineering fields
- Discuss the impact of current immigration policy on international students following degree receipt

Tuesday, March 28, 2023

OPEN SESSION

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| 6:00 pm | Computer Science Faculty Needs and Hiring Outcomes
→ Craig Wills, Worcester Polytechnic Institute, Professor of Computer Science |
| 6:30 pm | Immigration Policy, Permanent Residency and Salary Impacts for International STEM PhD Students
→ Megan MacGarvie, Boston University, Questrom School of Business, Associate Professor of Markets, Public Policy, and Law |

CLOSED SESSION

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| 7:00 pm | Closed Session Begins |
| 7:40 pm | Adjourn Meeting |

SPEAKER BIOGRAPHIES

Craig Wills is Professor and former Department Head of Computer Science at Worcester Polytechnic Institute. He does research on Internet application performance and measurement. His work examines issues related to privacy on Web and mobile platforms. He also does data-driven work on higher education in general and Computer Science in particular. This work includes longitudinal analysis of current and future CS needs via advertised faculty searches. He received his B.S. in Computer Science from the University of Nebraska, and M.S. in Computer Science and Ph.D. in Computer Science from Purdue University.

Megan MacGarvie is Associate Professor in the department of Markets, Public Policy and Law at the Questrom School of Business at Boston University, and a Research Associate at the National Bureau of Economic Research, Cambridge, MA. Her research focuses on the economics of innovation and intellectual property. Recent work has analyzed the impact of international mobility of US-trained STEM doctoral recipients on research productivity, collaboration, and knowledge diffusion; entrepreneurship among foreign-born STEM doctoral recipients; and the impact of US immigration policy on the return migration choices of Chinese and Indian scientists in the U.S. She is co-editor of the recent volume *The Roles of Immigrants and Foreign Students in U.S. Science, Innovation, and Entrepreneurship* (U of Chicago Press).