

## RACHEL BURCIN

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**Rachel's work focuses on growing and diversifying the robotics workforce.** For the past decade, Rachel has developed international and regional education programs, as well as welcomed hundreds of visitors to Carnegie Mellon's Robotics Institute. Currently, Rachel serves as co-director of CMU's Robotics Scholars Program and global programs manager for the Robotics Institute. Through inclusive education design, assessment, and policy advocacy, she creates symbiotic partnerships and funded educational initiatives that expand organizational impact and ultimately broaden participation in robotics. She is interested in building upon these significant successes and body of knowledge to investigate scale and sustainability for systems-level change of the global robotics workforce. The educational programming and learning communities that she designs are aligned with regional and national STEM economic development initiatives. In addition, Rachel has served as an advisor for multiple Carnegie Mellon spinoffs (including two working on autonomy and one in sustainable development), a Boston-based technology incubator and multiple education organizations.

### Leadership & Recognition

**CMU:** Nominations for CMU-wide awards (Commitment to Students '21, '22 - Spirit '20), Member of founding C3 Committee for the Center for Shared Prosperity

**State:** PA STEM Ambassador ('22), PA Secretary of Transportation Working Group STEM Forward member ('22), PA Rural Robotics Advisory Board Member ('20 – present), and co-founder of the PA Rural Innovation Summit ('21 – present)

**National:** Emmy Award Nomination – PBS Media TV Series The Robot Doctor ('21), Development through education presenter – National Association of Development Organizations Annual Conference ('22)

**Global:** EU Working Group Participant on Transatlantic Science Collaboration ('21), Cologne Third Mission of Universities Best Practice Presenter ('21), DAAD Higher Education Leaders Germany Visitor & Presenter ('21), Speaker, World Bank Human Development India ('21, '22)

**Impact:** Her experience, expertise, and network enable her to create creative sector-focused and place-based workforce solutions that address critical needs of research universities & STEM organizations. Outcomes of these initiatives uniquely complement research, education, and development priorities across the sector – **she secures funding, expands sponsors, increases awareness of the sector & organization, connects new communities, and broadens the talent pool – all of which significantly strengthens the innovation ecosystem.**

**Funding:** Her work has been funded by the U.S. National Science Foundation, the Pennsylvania Department of Education, the PA Department of Community & Economic Development, the RK Mellon Foundation, the U.S. Department of State, the United Nations (U.N.), UNESCO Associated Schools Program, the UNESCO International Bureau of Education, Rotary International, and the National Center for Defense Robotics. Over \$2,000,000 in education project & research funding secured including two NSF awards for which she was the primary author.

**Education:** Rachel holds a Master of Public Management from Carnegie Mellon University's Heinz College of Public Policy & Management and a bachelor's degree from the University of Pittsburgh in economics (including study abroad and work experience in Slovakia). She has lived, worked, and or taught on four continents. She completed additional graduate-level coursework in policy and education and holds certificates in civic leadership, online learning, educational leadership, and water management & policy.