

Employment

- Stanford Graduate School of Education: Assistant Professor 2013–Present
- Stanford University: Director, Open Learning Initiative 2013–Present
- Carnegie Mellon University: Director, Open Learning Initiative 2002–2013
- Interaction Associates, LLC: Executive Vice President, West Coast Regional Managing Director, CFO, CIO, Consultant 1984–2002

Education

- **University of Pennsylvania**, Ed.D., Higher Education 2013
- **Carnegie Mellon University**, M.S., Information Technology 2005
- **University of California, Berkeley**, B.A., Sociology 1980

Other Affiliations

- Member, Association for Computing Machinery Learning at Scale Conference (ACM L@S2018) Steering Committee 2017–Present
- Co-Editor, MIT Press Learning at Scale Book Series 2017–Present
- Affiliated Faculty, Stanford Neurosciences Interdepartmental Program 2015–Present
- Member, American Association of Colleges and Universities (AAC&U) Board of Directors 2014–Present
- Member, Advisory Council of NSF Education and Human Resources 2014–Present
- Member, Advisory Board of the William E. Kirwan Center for Academic Innovation University System of Maryland 2014–Present
- Member, Technical Advisory Council of the American Association of Universities STEM initiative 2012–Present
- Fellow, International Society for Design and Development in Education 2010–Present
- Member, Stanford Academic Senate 2015–2017
- Chair, Association for Computing Machinery Learning at Scale Conference (ACM L@S2017) Program Committee 2016–2017
- Member, Assessment 2020 Task Force of the American Board of Internal Medicine 2013–2016
- Member, Association for Computing Machinery Learning at Scale Conference (ACM L@S2016) Program Committee 2015–2016
- Member, Learning with MOOCs (LWMOOC2015) Program Committee 2014–2015
- Member, U.S. Department of Education working group, *2015 National Education Technology Plan* 2014–2015
- Member, Association for Computing Machinery Learning at Scale Conference (ACM L@S2015) Program Committee 2014–2015
- Chair, Learning with MOOCs (LWMOOC2014) Program Committee 2013–2014
- Co-Editor, Association of Computing Machinery *Ubiquity* symposium 2013–2014

- Redesign Scholar, The National Center for Academic Transformation 2007-2012
- Member, Advisory Committee of the Business Higher Education Forum & Office of Naval Research STEM project 2012-2012
- Member, Advisory Council Hewlett Packard Catalyst Initiative 2010-2012
- Member, working group of the President's Council of Advisors on Science and Technology (PCAST). *Engage to Excel* 2011-2011
- Member, U.S. Department of Education working group, *2010 National Education Technology Plan* 2009-2010

Grants and Awards

Principal Investigator on federal and private foundation sources totaling over \$18,000,000:

- *CIF21 DIBBs: Building a Scalable Infrastructure for Data-Driven Discovery and Innovation in Education*: National Science Foundation. 2015-2019
- *The Learning Engineering Initiative: EdHub*: CZI/Silicon Valley Community Foundation 2017-2018
- *Adaptable Learning Feedback for Instructors: The Open Analytics Research System (OARS)*: Stanford VPTL Innovation Grant 2017-2018
- *Next Generation Courseware Challenge: A Partnership for Iterative Excellence in Online Courseware for College Learners*: The Bill and Melinda Gates Foundation: 2014-2017
- *OLI Fundamentals of Philanthropic and Nonprofit Strategy*: The Stanford PACs Center 2016-2017
- *The Digital Learning Research Network (dLRN)*: The Bill and Melinda Gates Foundation 2015-2017
- *Lacuna Stories*: Stanford Digital Learning Forum 2015-2016
- *Beyond the Lecture*: The Kresge Foundation 2014-2016
- *Introduction to Data Analysis and Interpretation*: Stanford VPOL Seed Grant 2015-2016
- *Raising the Floor with C3T- Consortium for Infrastructure Services*: The Bill & Melinda Gates Foundation 2013-2015
- *Improving Productivity and Attainment in Higher Education*: The Kresge Foundation 2012-2013
- *The Open Learning Initiative: StatWay*: The Carnegie Foundation 2012-2013
- *Open Professionals Education Network*: The Bill and Melinda Gates Foundation 2010-2013
- *Gateways to Success*: The Carnegie Corporation 2010-2012
- *The Community College Open Learning Initiative*: The Walter S. Johnson Foundation 2010-2011
- *The Community College Open Learning Initiative*: The William and Flora Hewlett Foundation 2009-2011
- *The Community College Open Learning Initiative*: The Lumina Foundation 2009-2011

- *The Community College Open Learning Initiative*: The Bill & Melinda Gates Foundation 2009–2011
- *The Open Learning Network (OLNet)*: The William and Flora Hewlett Foundation 2009–2011
- *APLU and OLI Planning Grant*: The Bill & Melinda Gates Foundation 2010–2011
- *The Catalyst Initiative*: Office of Global Social Innovation at HP 2009–2011
- *Transforming Web-based Courseware into a Full Statics course with Digital Feedback and Assessment*: National Science Foundation 2009–2010
- *Improving the Feedback Cycle in Introductory Courses*: The Spencer Foundation 2008–2010
- *Molecular Visualization in STEM Education*: National Science Foundation 2010–2010
- *The Open Learning Initiative II*: The William and Flora Hewlett Foundation 2004–2007
- *The Open Learning Initiative*: The William and Flora Hewlett Foundation 2002–2004

Publications

- Thille, C. & Zimmaro, D. (2017). Incorporating learning analytics in the classroom. In Zilvinskis, J. & Borden, V. (Eds.). *New Directions for Higher Education*. Hoboken, NJ: Wiley.
- Koedinger, K. Liu, R., Stamper, J., Thille, C. Pavlik, P. (2017). Community based educational data repositories and analysis tools. *Proceedings of the Seventh International Learning Analytics & Knowledge Conference* Pp. 524–525. Vancouver, British Columbia, Canada March 13, 2017. New York, NY: ACM
- Thille, C. (2016). What the science of learning indicates we should do differently. In Otte, G. Goldstein, M. (Eds.), *Change We Must: Deciding the Future of Higher Education*. New York, NY.
- Thille, Candace M. (2016). *Bridging Learning Research and Teaching Practice for the Public Good: The Learning Engineer*. New York, NY: TIAA Institute.
- Thille, C. Schneider, E., Kizilcec, R., Piech, C. Halawa, S., & Greene, D. (2014). The future of data-enriched assessment. *Research & Practice in Assessment*, 9, 5–16.
- Thille, C (2014). MOOCs and technology to advance learning and learning research. *Ubiquity*. Volume 2014 Issue April, Article No. 1 (pp.1-7). New York, NY: ACM
- Thille, C (2013) How technology is transforming higher education. Proceedings of the Aspen Institute Congressional Congress. Oct 4-7, 2013
- Kaufman, J., Ryan, S., Thille, C. & Bier, N. (2013). *Open Learning Initiative Courses in Community Colleges: Evidence on Use and Effectiveness*. Technical Report of the William and Flora Hewlett Foundation. Retrieved from <http://www.hewlett.org/library/open-learning-initiative-courses-in-community-collegeevidence-on-use-and-effectiveness/>
- Thille, C. (2012). Changing the production function in higher education. Part of the series: *Making Productivity Real: Essential Readings for Campus Leaders*. Washington, DC: American Council on Education.

- Strader, R. & Thille, C. (2012). The Open Learning Initiative: Enacting instruction online. In Oblinger, D.G. (ed.) *Game Changers: Education and Information Technologies*. Washington, DC: Educause
- Thille, C. (2012). Treating higher ed's 'cost disease' with supersize online courses. In McCormick, T. & Young, J. (eds.) *Rebooting the Academy: 12 Tech Innovators who are Transforming Campuses*. Washington, DC: Chronicle of Higher Education.
- Thille, C (2012). Technology: Conducive and disruptive roles in improving student success and college completion. *Proceedings of 21st Century Commission on the Future of Community Colleges*. Washington, DC: AACC
- Thille, C. & Smith, J. (2011). Cold rolled steel and knowledge: What can higher education learn about productivity? *Change: The Magazine of Higher Learning*. March/April 2011.
- Thille, C. (2010). Educational technology as a transformational innovation. *The White House Summit on Community Colleges Conference Papers*. October 2010. Washington, DC.
- Thille, C. (2010). Continuous improvement in teaching and learning: Open Learning Initiative (OLI) and Open Learning Net (OLnet). *EDUCAUSE ELI* January 11, 2010
- Thille, C. & Smith, J. (2010). Learning unbound: Disrupting the Baumol/Bowen effect in higher education. *Futures Forum*. Washington, DC: American Council on Education.
- Bajzek, D., Brooks, J., Jerome, W., Lovett, M., Rinderle, J., Rule, G. & Thille, C. (2008). Assessment and instruction: Two sides of the same coin. In G. Richards (Ed.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 560-565). Chesapeake, VA: AACE
- Thille, C. (2008). Creating open learning as a community based research activity. In Iiyoshi, T. & Kumar, V. (Eds.), *Opening Up Education: The Collective Advancement of Education through Open Technology, Open Content, and Open Knowledge*. Cambridge, MA: MIT Press.
- Lovett, M., Meyer, O. & Thille, C. (2008). The Open Learning Initiative: Measuring the effectiveness of the OLI statistics course in accelerating student learning. *Journal of Interactive Media in Education*. <http://jime.open.ac.uk/2008/14/>
- Thille, C., Conole, G. Law, S. & Ives C. (2008). Developing open courseware for excellence in learning. *Proceedings of the First International Conference of the new Canadian Network for Innovation in Education (CNIE)*. Banff, Alberta, Canada. April 27, 2008
- Thille, C., Heffernan, N. (2007) Supporting student learning: The Open Learning Initiative and ASSISTments. *EDUCAUSE ELI* November 6, 2007
- Thille, C. (2007). The Open Learning Initiative. *Proceedings of the International Conference of Open Courseware and e-Learning*. Taipei, Taiwan. June 11-15
- Thille, C. (2007). Evidence based design: The Open Learning Initiative. *Academic Intersections*. No 1. Fall 2007.

Margulies, A., Sinou, V. & Thille, C. (2005) Models of open educational resources: OpenCourseWare, Sofia, and the Open Learning Initiative. *EDUCAUSE Center for Analysis and Research (ECAR) Research Bulletin*. October 25, 2005

Selected Blogs, Editorials, & Podcasts

- Why 'Black Box' Software Isn't Ready to Teach College; with Jeffrey R. Young. *EdSurge Guide Thought Leaders Discuss the College (And Classroom) Of the Future*. <https://www.edsurge.com/news/2017-05-18-why-black-box-software-isn-t-ready-to-teach-college> May 18, 2017
- As Big-Data Companies Come to Teaching, a Pioneer Issues a Warning; with Goldie Blumenstyk. *Chronicle of Higher Education*. <http://www.chronicle.com/article/As-Big-Data-Companies-Come-to/235400> February 23, 2016
- What We've Learned from MOOCs; with Mitchell Stevens and John Mitchell. *Inside Higher Education*, <https://www.insidehighered.com/views/2015/09/22/moocs-are-no-panacea-they-can-help-improve-learning-essay> September 22, 2015
- MOOCs and Machines; with Steve Kolowich. *Inside Higher Education*. <https://www.insidehighered.com/news/2012/05/10/candace-thille-talks-moocs-and-machine-learning> May 12, 2012

Courses Taught

- Data Analysis and Interpretation (EDUC 200A) F2014, F2015, F2106, F2107
- Engineering Education & Online Learning (EDUC 391/ENGR 391) S2014, S2015, S2106, S2107
- Lytics Seminar (EDUC 407) W2014, S2014, W2106, S2106
- Learning Sciences and Technology Design Research Seminar and Colloquium (EDUC 291) W2015, F2106
- Proseminar on Teaching and Learning (EDUC 325B) W2017