

Stanford



Brandon Marcellino Reynante

Director of Community Engaged Learning - Environmental Sustainability, DCEL

Bio

BIO

My work focuses on designing, managing, and assessing learning experiences that empower people to create more just and sustainable futures.

HONORS AND AWARDS

- Interdisciplinary Graduate Fellowship, Stanford University (2020-2023)
- Graduate Public Service Fellowship, Stanford University (2019-2020)
- Outstanding Professor Award, UC San Diego (2015)
- Graduate Research Fellowship, National Science Foundation (2009-2011)
- Undergraduate Engineering Leadership Award, UC San Diego (2009)

EDUCATION AND CERTIFICATIONS

- Doctor of Philosophy (Ph.D.), Stanford University , Learning Sciences & Technology Design (2023)
- Professional Engineer (P.E.), State of California , Mechanical Engineering (2014)
- Master of Science (S.M.), Massachusetts Institute of Technology , Aerospace Engineering (2011)
- Bachelor of Science (B.S.), University of California, San Diego , Mechanical Engineering (2009)

LINKS

- LinkedIn Profile: <https://www.linkedin.com/in/brandonreynante/>

Professional

WORK EXPERIENCE

- Lecturer in Humanitarian Engineering - University of California, San Diego (2014 - 2018)
- Design Engineer and Project Manager - ATA Engineering (2011 - 2015)

Publications

PUBLICATIONS

- **Envisioning sustainable climate imaginaries through an "engineering fiction" learning experience: A content analysis of youth stories** *FUTURES*
Reynante, B., Ardoin, N. M., Pea, R.
2025; 172

- **Catalyzing collective imagination for sustainability transformations: A complex systems analysis of collaborative climate fiction writing** *JOURNAL OF ENVIRONMENTAL EDUCATION*
Reynante, B., Ardoin, N. M., Pea, R.
2024
- **Metachangemaking: An interdisciplinary synthesis of research on cultivating changemakers** *JOURNAL OF MORAL EDUCATION*
Reynante, B. M., Wilcox, J. E., Stephenson, O. L., Lieder, F., Lacopo, C.
2024
- **Reducing the cognitive abstractness of climate change through an "engineering fiction" learning experience: A natural language processing study** *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY*
Reynante, B., Ardoin, N. M., Pea, R.
2024; 95
- **Four Surveillance Technologies Creating Challenges for Education** *AI in Learning: Designing the Future*
Pea, R. D., Biernacki, P., Bigman, M., Boles, K., Coelho, R., Docherty, V., Garcia, J., Lin, V., Nguyen, J., Pimentel, D., Pozos, R., Reynante, B., Roy, et al
Springer.2023: 317-329
- **Learning to design for social justice in community-engaged engineering** *JOURNAL OF ENGINEERING EDUCATION*
Reynante, B.
2021
- **Design knowledge and learning pathway of a grassroots innovator** *15th International Conference of the Learning Sciences*
Reynante, B.
International Society of the Learning Sciences.2021: 83-90
- **A framework for open civic design: Integrating public participation, crowdsourcing, and design thinking** *Digital Government: Research and Practice*
Reynante, B., Dow, S. P., Mahyar, N.
2021; 2 (4)
- **Exploring the Promises and Perils of Integrated STEM Through Disciplinary Practices and Epistemologies** *SCIENCE & EDUCATION*
Reynante, B. M., Selbach-Allen, M. E., Pimentel, D. R.
2020
- **Educating change-makers: A framework for sustainable making and activist engineering** *9th Annual Conference on Creativity and Fabrication in Education (FabLearn '19)*
Reichenbach, K., Reynante, B.
ACM Press.2019: 128-131
- **From First- to Third-Order Social Change in Development Engineering: A Case Study**
Reynante, B., Bratton, M., Hein, L., IEEE
IEEE.2017
- **Impact testing of structural biological materials** *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS*
Lee, S., Novitskaya, E. E., Reynante, B., Vasquez, J., Urbaniak, R., Takahashi, T., Woolley, E., Tombolato, L., Chen, P., McKittrick, J.
2011; 31 (4): 730–39