



## Brandon Marcellino Reynante

Director of Community Engaged Learning - Environmental Sustainability, DCEL

### Bio

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#### 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

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#### WORK EXPERIENCE

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

### Publications

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#### PUBLICATIONS

- **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