

## References

- A comparative study on different pedagogy strategies in engineering interdisciplinary. (2014). *2014 International Conference on Interactive Collaborative Learning (ICL)*.  
doi:10.1109/icl.2014.7017808
- About. (n.d.). Retrieved from <https://techclinic.lafayette.edu/about/>
- About. (n.d.). Retrieved from <https://citls.lafayette.edu/about/>
- Al-Rawahy, K. H. (2013). Engineering Education and Sustainable Development: The Missing Link. *Procedia – Social and Behavioral Sciences*, 102, 392-401.  
doi:10.1016/j.sbspro.2013.10.754
- Amadei, B., & Sandekian, R. (2010). Model of integrating humanitarian development into engineering education. *Journal of Professional Issues in Engineering Education and Practice*, 136(2), 84-92.
- Andersson, Niclas, and Pernille Hammar Andersson. "Teaching professional engineering skills—industry participation in realistic role play simulation." *6th International CDIO Conference, École Polytechnique, Montréal*. 2010.
- Apelian, D. (2013). Innovations and Opportunities in Engineering Education. *The Bridge*, 43, 5-6.
- Byers, T., Seelig, T., Sheppard, S., & Weilerstein, P. (2013). Entrepreneurship: Its Role in Engineering Education. *The Bridge*, 43, 35-40.
- Catalano, G. D., Baillie, C., Riley, D., & Nieuwsma, D. (2008). Engineering, peace, justice and the Earth: Developing course modules. In *2008 ASEE Annual Conference and Exposition, Jun 22-24 2008*.
- Chung, C. (2011). Changing Engineering Curriculum in the Globalizing World. *New Horizons in*

*Education*, 59(3), 59–70.

College Honors Outstanding Teaching, Research, and Service. (n.d.). Retrieved from <https://news.lafayette.edu/2018/05/11/college-honors-outstanding-teaching-research-and-service-2/>

Community-Based Learning and Research. (n.d.). Retrieved November 30, 2018, from <https://landiscenter.lafayette.edu/community-based-learning-and-research/>

Coyle, E. J., Jamieson, L. H., & Oakes, W. C. (2006). 2005 Bernard M. Gordon Prize Lecture\*: Integrating Engineering Education and Community Service: Themes for the Future of Engineering Education. *Journal of Engineering Education*, 95(1), 7-11.

Cunningham, C.A. (1981, May 8). The Marquis Speaks. *The Lafayette*, p. 6.

Cunningham, C. A. (1982, December 10). Now It's Time to Say Goodbye. *The Lafayette*, p. 2.

Dahir, M. (1993). Educating engineers for the real world, pg. 3.

Duderstadt, J. J. (2010). Engineering for a changing world. In *Holistic engineering education* (pp. 17-35). Springer, New York, NY.

Engineering Service. *IEEE Technology and Society Magazine*, 28(4), 42-48.

doi:10.1109/MTS.2009.935008

Engineering Unleashed: Lafayette's X-Trained Engineering Initiative. (n.d.). Retrieved from <https://engineering.lafayette.edu/2016/03/11/engineering-unleashed-lafayettes-x-trained-engineering-initiative/>

Faculty Spotlight: Lauren Anderson. (n.d.). Retrieved from <https://engineering.lafayette.edu/2018/03/26/faculty-spotlight-lauren-anderson/>

Fila, N. D., Hess, J., Hira, A., Joslyn, C. H., Tolbert, D., & Hynes, M. M. (2014, October). The

- people part of engineering: Engineering for, with, and as people. In *2014 IEEE Frontiers in Education Conference (FIE)* (pp. 1-9). IEEE.
- Gilbert, D. J., Held, M. L., Ellzey, J. L., Bailey, W. T., & Young, L. B. (2015). Teaching “Community Engagement” in Engineering Education for International Development: Integration of an Interdisciplinary Social Work Curriculum. *European Journal of Engineering Education, 40*(3), 256–266.
- Guerra, M. A., & Shealy, T. (2018). Teaching User-Centered Design for More Sustainable Infrastructure through Role-Play and Experiential Learning. *Journal of Professional Issues in Engineering Education and Practice, 144*(4).
- Harsh, M., Bernstein, M. J., Wetmore, J., Cozzens, S., Woodson, T., & Castillo, R. (2017). Preparing Engineers for the Challenges of Community Engagement. *European Journal of Engineering Education, 42*(6), 1154–1173.
- Innovation with Impact: Creating a Culture for Scholarly and Systematic Innovation in Engineering Education*(Rep.). (2012). Washington, D.C.: American Society for Engineering Education.
- Joachim Walther, Shari E. Miller, Nicola W. Sochacka. (2017) A Model of Empathy in Engineering as a Core Skill, Practice Orientation, and Professional Way of Being. *Journal of Engineering Education*
- Kayumova, L. A., Savva, L. I., Soldatechenko, A. L., Sirazetdinov, R. M., & Akhmetov, L. G. (2016). The Technology of Forming of Innovative Content for Engineering Education. *International Journal of Environmental & Science Education, 11*(9), 3029-3039.

- Kirkman, R., Fu, K., & Lee, B. (2017). Teaching Ethics as Design. *Advances in Engineering Education*, 6(2), n2.
- Klaassen, R. G. (2018). Interdisciplinary education: a case study. *European Journal of Engineering Education*, 43(6), 842–859.
- Listening as a Missing Dimension in Engineering Education: Implications for Sustainable Community Development Efforts. (2009). *IEEE Transactions on Professional Communication, Professional Communication, IEEE Transactions on, IEEE Trans. Profess. Commun*, (4), 359.
- Lehmann, M., Christensen, P., Du, X., & Thrane, M. (2008). Problem-oriented and project-based learning (POPBL) as an innovative learning strategy for sustainable development in engineering education. *European Journal of Engineering Education*, 33(3), 283-295
- Lucena, J., Schneider, J., & Leydens, J. A. (2010). Engineering and sustainable community development. *Synthesis Lectures on Engineers, Technology, and Society*, 5(1), 1-230.
- Marincel Payne, M., & Aidoo, J. (2017, June), Strengthening Sustainable Design Principles in the Civil Engineering Curriculum Paper presented at 2017 ASEE Annual Conference & Exposition, Columbus, Ohio. <https://peer.asee.org/28854>
- Martin, M. W., & Schinzinger, R. (1983). *Ethics in engineering*. McGraw-Hill. Retrieved from <https://books.google.com/books?id=SW5RAAAAMAAJ>
- McNeill, N. J., Douglas, E. P., Koro-Ljungberg, M., Therriault, D. J., & Krause, I. (2016). Undergraduate Students' Beliefs about Engineering Problem Solving. *Journal of Engineering Education*, 105(4), 560-584.
- Meta Mindset. (n.d.). Retrieved from <https://engineering.lafayette.edu/2018/03/27/meta-mindset/>

- N.A. (2018). *Engineering, Lafayette College*. Retrieved from <https://engineering.lafayette.edu>
- NAE Grand Challenges for Engineering(Rep.). (2008). Retrieved <http://www.engineeringchallenges.org/File.aspx?id=11574&v=34765dff>
- National Academy of Engineering, U. S. (2004). *The engineer of 2020: Visions of engineering in the new century*. Washington, DC: National Academies Press
- Nasr, K. J. (2014). Towards a converged and global set of competencies for graduates of engineering programs in a globalization-governed world. *Impact of Globalization On Engineering Education, 15*, 15.
- Olson, S. (2013). *Educating Engineers: Preparing 21st Century Leaders in the Context of New Modes of Learning: Summary of a Forum*. National Academies Press.  
doi:10.17226/18254
- Prados, J. W. (1998). Engineering Education in the United States: Past, Present, and Future.
- Prados, J. W., Peterson, G. D., & Lattuca, L. R. (2005). Quality assurance of engineering education through accreditation: The impact of Engineering Criteria 2000 and its global influence. *Journal of Engineering Education, 94*(1), 165-184.
- Programs. (n.d.). Retrieved November 15, 2018, from <https://engineering.lafayette.edu/programs/>
- Roseland, M. (2000). Sustainable community development: integrating environmental, economic, and social objectives. *Progress in planning, 54*(2), 73-132.
- Shuman, L. J., Besterfield--Sacre, M., & McGourty, J. (2005). The ABET “professional skills”— Can they be taught? Can they be assessed?. *Journal of engineering education, 94*(1), 41- 55.
- Stephens, R. (2013). Aligning Engineering Education and Experience to Meet the Needs of Industry and Society. *The Bridge, 43*, 31-34.

Schneider, J., Lucena, J., & Leydens, J. A. (2009). Engineering to Help: The Value of Critique in

Walther, J., Miller, S. E., & Sochacka, N. W. (2017). A model of empathy in engineering as a core skill, practice orientation, and professional way of being. *Journal of Engineering Education*, 106(1), 123-148.

Willner, B., & Rehrig, D. (1969, January 24). Priorities. *The Lafayette*, p. 6.