

Daniela C. A. Pigosso

Position/Department/Division/Institution/Organization

Associate Professor/Department of Mechanical Engineering/Section of Engineering Design and Product Development/Technical University of Denmark

Country

Denmark

Career history

Daniela Pigosso is an Associate Professor at the Technical University of Denmark (DTU), where she is currently the head of studies at Design & Innovation (BEng). She is also one of the co-founders at essensus, a knowledge-based spinout from DTU, which supports companies in enhanced sustainability maturity. At the Design Society, she is the chair of the Sustainable Design Special Interest Group. Daniela has a bachelor degree in Environmental Engineering, and a PhD degree on Industrial Engineering (both from the University of Sao Paulo, Brazil). She was a guest researcher at the Technical University of Berlin (TU Berlin), product development engineer at Embraer and a senior researcher at DTU.

Awards/Publications

- PIGOSSO, D. C. A.; SCHMIEGELOW, A.; ANDERSEN, M.M. Measuring the Readiness of SMEs for Eco-Innovation and Industrial Symbiosis: Development of a Screening Tool. *Sustainability* 2018, 10, 2861.
- KJAER, L.L., PIGOSSO, D.C.A., MCALOONE, T.C., BIRKVED, M. Guidelines for evaluating the environmental performance of Product/Service-Systems through life cycle assessment. *Journal of Cleaner Production* 2018.
- RODRIGUES, V.P., PIGOSSO, D.C.A., ANDERSEN, J.W., MCALOONE, T.C. Evaluating the potential business benefits of ecodesign implementation: A logic model approach. *Sustainability* 2018, 10(6), 2011.
- KJAER, L.L., PIGOSSO, D.C.A., NIERO, M., BECH, N.M., MCALOONE, T.C. Product/service-systems for a circular economy: the route to decoupling economic growth from resource consumption? *Journal of Industrial Ecology*, 2018.
- RODRIGUES, V.P.; PIGOSSO, D.C.A.; MCALOONE, T.C. Measuring the implementation of ecodesign management practices: a review and consolidation of process-oriented performance indicators. *Journal of Cleaner Production* (ISSN: 0959-6526), vol: 156,

Innovation for Cool Earth Forum (ICEF)

5th Annual Meeting

October 10-11, 2018

Hotel Chinzanso Tokyo, Japan

pages: 293–309, 2017.

- PIGOSSO, D.C.A.; RODRIGUES, V.P.; MCALOONE, T.C. Embracing Circular Economy: a journey seen through the perspective of Sustainability Maturity. *Journal: Progetto Re-Cycle*, vol: 2017, issue: 4, 2017.
- PIGOSSO, D.C.A.; MCALOONE, T.C. Maturity-based approach for the development of environmentally sustainable product/service-systems. *CIRP Journal of Manufacturing Science and Technology* (2016).
- RODRIGUES, V.P., PIGOSSO, D.C.A., MCALOONE, T.C., 2016. Process-related key performance indicators for measuring sustainability performance of ecodesign implementation into product development. *Journal of Cleaner Production*, Vol. 139, 2016.
- DEKONINCK, E.A.; DOMINGO, L.; O'HARE, J.A.; PIGOSSO, D.C.A.; REYES, T.; TROUSSIER, N. Defining the challenges for ecodesign implementation in companies: development and consolidation of a framework. *Journal of Cleaner Production* (2016).
- PIGOSSO, D.C.A.; FERRAZ, M.; TEIXEIRA, C.E.; ROZENFELD, H. The Deployment of Product-Related Environmental Legislation into Product Requirements. *Sustainability* (2016).
- PIGOSSO, D.C.A.; MCALOONE, T.C.; ROZENFELD, H. Characterization of the State-of-the-art and Identification of Main Trends for Ecodesign Tools and Methods: Classifying Three Decades of Research and Implementation. *Journal of the Indian Institute of Science*. 94 (2015) 405-427.
- ISSA, I.I.; PIGOSSO, D.C.A.; MCALOONE, T.C.; ROZENFELD, H. Leading product-related environmental performance indicators: a selection guide and database. *Journal of Cleaner Production*, 108 (2015) 321-330.
- PIGOSSO, D.C.A.; MCALOONE, T. C.; ROZENFELD, H. Ecodesign maturity model: a management framework to support ecodesign implementation into manufacturing companies. *Journal of Cleaner Production*, v.xxx p. 1 – 14, 2013.
- PIGOSSO, D. C. A., ZANETTE, E.T., GUELERE FILHO, A., OMETTO, A.R., ROZENFELD, H. Ecodesign methods focused on remanufacturing. *Journal of Cleaner Production*., v.18, p.21 - 31, 2010

Areas of expertise

Circular economy, sustainable design, Product/Service-Systems (PSS), eco-innovation engineering design and product development, process maturity