

Short Curriculum Vitae

Univ.-Prof. Dr. Carmen Leicht-Scholten

Prof. Dr. Carmen Leicht-Scholten is head of the research group "Gender and Diversity in Engineering" at the Faculty of Civil Engineering at RWTH Aachen University and rector's delegate for socially responsible education. From 2012-2016 she has been Vice Dean for Studies affairs at the faculty.

Together with her interdisciplinary team of engineers, natural scientists and social scientists, she as political scientist is working on the inclusion of diversity in research and development processes and at different levels of organization development.

Her fields of research focuses on realizing sustainable and social responsible research by integrating gender and diversity perspectives in science and technology research and innovation processes. As expert for gender and diversity studies Prof. Leicht-Scholten has been member in national and international advisory boards

In 2014, Prof. Leicht-Scholten has been invited to Stanford University as a visiting professor. The development of the transnational course "Expanding Engineering Limits: Culture, Diversity and Gender" together with colleagues from the School of Engineering at Stanford University has been initiated at that time.

Most relevant Publications:

- Steuer, L.; Simons, L.; Stiehm, S.; Richert, A.; Isenhardt, I. & Leicht-Scholten, C. (under review): Creativity in engineering research organizations – fostering innovation capability by diversity. International Journal of Innovation and Technology Management (IJITM)
- Steuer, L.; Gilmartin, S. K.; Muller, C. B.; Dungs, C.; Sheppard, S. & Leicht-Scholten, C. (under review): Expanding Engineering Limits – A Concept for Socially Responsible Education of Engineers. (under review in: International Journal of Engineering Education)
- Leicht-Scholten, Carmen (2018): Sozial verantwortliche Technikwissenschaften: der Beitrag der Geschlechterforschung für Forschung, Entwicklung und Ausbildung. In B. Kortendiek (ed.): Handbuch interdisziplinäre Geschlechterforschung (pp. 1-9.). Wiesbaden: Springer Verlag. DOI: 10.1007/978-3-658-12500-4_140-1.
- Steuer, Linda/ Sharma, Mamta/ Bleck, Wolfgang/ Leicht-Scholten, Carmen (2017): Diversity and Innovation Management in Large Research Groups. International Journal of Innovation in Management, No. 2, Vol. 5, pp. 49-72.
- Steuer, Linda/ Leicht-Scholten, C. (2017): Innovation and Diversity - Integrating new perspectives into research associations, published in the frame of the 12th European Conference on Innovation and Entrepreneurship (ECIE 2017) in Paris, France on September 21-23, 2017.
- Leicht-Scholten, Carmen/ Bouffier, Anna/ Steuer, Linda (2016): Facing Future Challenges: Building Engineers for Tomorrow. Paper für die 5th International Conference New Perspectives in Science Education, 17.-18.03.2016, Florenz, S. 32-37.
- Steuer, Linda/ / Berg, Tobias /Leicht-Scholten, Carmen (2015): Breaking the habit – new approaches in engineering education. Paper für die 43rd Annual Conference of the European Society for Engineering Education, 29.06.-02.07.2015, Orléans.

ABSTRACT

Educating social responsible engineers for the future

Within the last decades, the gender science and technology studies have broadly discussed the various interdependencies of technology and society and the gendered cultures in technology, as well as its effects on development and innovation processes. These findings are hardly reflected in the actual discussions on socially responsible research and innovation. The talk will discuss how these two discourses can be fruitfully brought together and how this can be realized in practice. Finally, the talk will give an insight how such a framework could look like, building on the example of a course realized in a leading technical university in Germany and internationally in cooperation with Stanford University, USA.