Helmuth Trefftz

Biographical Note

Professor Helmuth Trefftz is a full professor of Computer Science at EAFIT University, in Medellin, Colombia. Prof. Trefftz holds a B. Sc. Degree in Systems Engineering from EAFIT, a M.Sc. in Computer Science from Maharishi International University (USA), and a Ph.D. in Electrical and Computer Engineering from Rutgers University (USA). His academic interests include Quality Assurance in Higher Education, Virtual and Augmented Reality, and Machine Learning for Movement Assessment. He is a co-author of over 100 peer-reviewed publications.

Professor Trefftz has been a member of the boards of the two tiers of quality assurance in Colombia. In the first tier - compulsory for all higher education programs - he was the Coordinator of the Engineering working group. In the second tier, which grants accreditations to higher education institutions and programs, he is part of the board of the National Accreditation Council (CNA) representing the Engineering programs.

Professor Trefftz has been an ABET Program Evaluator for three years. He has also served as an evaluator for CINDA – the most important accreditation agency in Chile – of a program in Perú and one in Bolivia. He has also served as an evaluator for GCREAS, an accreditation agency in the greater Caribbean.

Additionally, in 2019, the Colombian Ministry of Education introduced Student Learning Outcomes as an essential element in the two-tier quality assurance process. As part of the Colombian National Council for Accreditation (CNA), professor Trefftz was part of the team that wrote the new legislation including Student Learning Outcomes.