

Manuela Welzel-Breuer

Manuela Welzel-Breuer accomplished her PhD study in 1994 at the University of Bremen, Germany, focussing individual learning processes of single students through analysing videotapes in order to investigate their interactions while learning physics. Since 1999, Manuela Welzel-Breuer is working as Professor for Physics and Physics Education at the University of Education Heidelberg. There, she is educating pre-service science teachers of different school types. In addition, she is involved in science education research and development in the fields of physics education for different age groups, the use of computer aided learning environments and the design of effective teaching-learning environments. Being internationally active, she co-ordinated a European project on the use of computer aided teaching and learning materials (CAT) in science education, which resulted in an international teacher training course offer. For several years, Manuela Welzel-Breuer served as member of the executive board of the German Physical Society (DPG) and the European Science Education Research Association (ESERA). Since 2011 she is leading ESERA as President.

