

Silvia Minetto is senior researcher at the Construction Technologies Institute (ITC) of the Italian National Research Council (CNR) in Padova (Italy). She holds a PhD in Refrigeration Technology from the University of Padova. She has a background in commercial and domestic refrigeration, which was acquired during her employment in the refrigeration industry. Her research activity deals with stationary and mobile refrigerating system and heat pumps and with their installation, with a focus on equipment for the cold chain. To pursue environmental sustainability of HVAC&R systems, she has been dedicating specific effort to the use of natural refrigerants in heating and cooling systems for civil, commercial, industrial and transport installations. In particular, she has been engaged in analytical and experimental works on carbon dioxide refrigerating machines and heat pumps, starting from first commercial applications in 1999.

She is author of more than 100 papers, mainly presented at international congresses or published on international journals and of 6 patents.

She is presidente of IIR Commission D2- Tansport Refrigeration since 2019.