

Dr Armin Wisthaler, University of Oslo

Preliminary title: On-line chemical analysis of submicron particulate organic matter by PTR-MS



Armin Wisthaler received a Ph.D. in Physics in 2001 from the University of Innsbruck (Austria) where he subsequently worked as a postdoctoral fellow and assistant professor. He was employed as a Senior Scientist at the Norwegian Institute of Air Research (NILU) between 2011 and 2013 before being appointed Professor of Atmospheric Chemistry at the University of Oslo in 2014. His primary expertise includes ion chemistry and chemical ionization mass spectrometry, with a particular focus on proton-transfer-reaction mass spectrometry (PTR-MS). His secondary expertise is in atmospheric chemistry, with a focus on trace organic compounds in the Earth's atmosphere - both in the gas and in the particulate phase. He has served as instrument principal investigator on several of NASA's airborne tropospheric chemistry studies and his PTR-MS instruments are regularly flown on research aircraft to study the organic composition of the atmosphere. In Norway, his work is focused on studying emissions and fate of amines released from CO₂ capture.