

Bio Ute Cappel

Ute Cappel has recently started a position as a fellow of the Wallenberg Initiative Materials Science for Sustainability (WISE) and an Associate Professor at the Department of Physics and Astronomy at Uppsala University.

She received her PhD degree in Chemistry at Uppsala University in 2011 with a thesis on the characterization of organic dyes for dye-sensitized solar cells. She then was a Marie-Curie fellow at Imperial College London from 2012-2014 focusing on ultrafast spectroscopy of hybrid solar cells. She then worked as a researcher at Uppsala University, where she combined time-resolved and photoelectron spectroscopy to study materials for solar cells.

From 2017-2023, she was Assistant/Associate Professor at the Chemistry Department of KTH, where she started her research group focusing on understanding materials properties and processes in hybrid solar cells. In her research, she uses photoelectron spectroscopy at synchrotron light sources to study the chemical and electronic structure of surfaces and interfaces. She also develops time-resolved and operando photoelectron spectroscopy to measure electron dynamics and energy alignment in solar cell devices during the light-to-electricity conversion process.