

## Stripping the CO<sub>2</sub> capture process

For decades, process industry has captured CO<sub>2</sub> using chemical absorption. However, when it comes to CO<sub>2</sub> capture from power plants (post combustion CO<sub>2</sub> capture) only two full-scale plants are in operation. This presentation, focusing on post combustion CO<sub>2</sub> capture applications, gives an insight into the progress in the recent years and discusses the current research trends covering topics like solvent development, solvent emission and stability, energy requirement as well as process improvements.

### Dr. Hanna Knuutila



Dr. Hanna Knuutila is an Associate Professor and deputy of education in the Department of Chemical Engineering, Norwegian University of Science and Technology. Her research focuses on absorption of acid gases in biomethane production, fossil fuel power plants and gas sweetening. Development and experimental characterization of solvents, understanding the solvent degradation as well as process modelling and simulations are her main areas of interest. She has been part of several EU-projects (CESAR, HiPerCAP, iCAP, ALIGN) and national projects. Currently, she is supervising six PhD-students and three master students.