

*Bachelor-thesis:* **Influence of ethoxy-units on the physico-chemical behaviour of new ionic liquids**

Ionic liquids are a class of substance with outstanding properties. Due to their unique characteristics like extremely low vapour pressures; they are a promising alternative as reaction media. Only a few ionic liquids are known with surfactant properties. Recently, a new class of surfactant like ionic liquids has been produced. Therefore a short chain carbon acid with several ethoxy-units (EO) was combined with a number of long-chain amines.

The bachelor thesis is to be authored about the influence of the number of EO-units on the physico-chemical behaviour, like melting- points, thermotropic and lyotropic behaviour as well as rheological characteristics, of the named IL's.