Impact of model errors on data assimilation algorithms **Sebastian Reich** (Universität Potsdam)

Most common data assimilation algorithms make the assumption that model errors are random and unbiased. In practice this assumption is often violated. In my talk I will propose a simple setting for studying the impact of systematic model biases on data assimilation algorithms. Results will be presented for particle filter as well as ensemble transform filter algorithms in the context of the Lorenz-63 model.