

## **Mini-course 05: Solution of Inverse Problems within the Bayesian Framework of Statistics**

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The aim of the minicourse is to give an introduction to statistical (Bayesian) inversion. The topics include introduction to Bayesian model for inverse problem, construction of prior- and likelihood models, inference over the posterior density using Markov chain Monte Carlo (MCMC) -algorithm and treatment of model uncertainties using the approximation error approach.

**Period:** 6/Nov - 10/Nov (1 week)

**Lectures:** 6, 7, 8/Nov (from 14:00 to 16:00)

**Room:** Auditorium 3