

# Numerical Analysis and PDE

Location: KTH, Teknikringen 8, TR 8, Hugin

- **Thursday, March 17**

14:00 – 14:40 Eskil Hansen, Splitting based integrators for nonlinear parabolic equations

14:45 – 15:25 Magnus Svärd, Convergent numerical schemes for the Euler and Navier-Stokes equations

**Coffee break**

16:00 – 16:40 Sara Zahedi, Cut Finite Element Methods

16:45 – 17:25 Ragnar Winther, The bubble transform: A new tool for analysis of

finite element methods

- **Friday, March 18**

14:00 – 14:40 Stig Larsson, Compressive space-time Galerkin discretizations of parabolic partial differential equations

14:45 – 15:25 Rolf Stenberg, Mixed and Stabilized Finite Element Methods for the Obstacle Problem

**Coffee break**

16:00 – 16:40 Anders Szepessy, Title of the talk 7

16:45 – 17:25 Gunilla Kreiss, Accuracy of Finite Difference Schemes for time-dependent problems with Boundaries and Interfaces