

PDE

Location: SU, Kräftriket, Building 5, room no. 32

- **Thursday, March 17**

14:00 – 14:40 Peter Lindqvist, Some Non-linear Eigenvalue Problems and Rayleigh Quotients

14:45 – 15:25 Vladimir G. Tkachev, Nonassociative algebras and non-linear PDEs

Coffee break

16:00 – 16:40 John Andersson, Can a crack form an infinite spiral?

16:45 – 17:25 Jana Björn, The Dirichlet problem and boundary regularity for nonlinear parabolic equations

17:45 – 18:25 Vladimir Maz'ya, Higher order elliptic boundary value problems in arbitrary domains

- **Friday, March 18**

14:00 – 14:40 Kaj Nyström, L^2 Solvability of boundary value problems for divergence form parabolic equations with complex coefficients

14:45 – 15:25 Espen R. Jakobsen, Uniqueness and properties of bounded distributional solutions of non-local equations of porous medium type

Coffee break

16:00 – 16:40 Tomas Sjödin, A new approach to Sobolev spaces in metric measure spaces?

16:45 – 17:25 Tuomo Kuusi, The additive structure of elliptic homogenization

17:45 – 18:25 Alexander Nazarov, The Brezis-Nirenberg phenomenon for fractional Laplacians