

## Minisymposium 14

### Qualitative Aspekte nichtlinearer partieller Differentialgleichungen

Joachim Escher (Hannover), Christoph Walker (Hannover)

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**Montag, 19. September**                      **Seminargebäude, S13**

14:00      Mark Peletier (Eindhoven)  
*Passing to the limit in the Wasserstein Gradient-flow formulation*

14:30      Mats Ehrnström (Hannover)  
*Steady waters waves with multiple critical layers*

15:00      Jürgen Saal (Darmstadt)  
*Analysis of a General Model in Electrokinetics*

15:30      Simon Gvelesiani (Hannover)  
*Parabolic equations with dynamical boundary conditions*

**16:00h – 16:30h Pause**

16:30      Daniela Treutler (Hannover)  
*On the behaviour of solutions to a parabolic evolution equation on two scales*

17:00      Bogdan Matioc (Hannover)  
*On two-phases flows modelling thin films in porous media*

17:30      Helmut Abels (Regensburg)  
*On a New Diffuse Interface Model for Two-Phase Flows with Different Densities*

18:00      Thomas Marquardt (Potsdam-Golm)  
*A Neumann Problem for Inverse Mean Curvature Flow*

**Dienstag, 20. September**                      **Seminargebäude, S13**

14:00      Wolfgang Reichel (Karlsruhe)  
*Symmetry of solutions for quasimonotone second-order elliptic systems in ordered Banach spaces*

14:30      Friederich Lippoth (Hannover)  
*Classical solutions for a one phase osmosis model*

15:00      Anca Matioc (Hannover)  
*Analysis of a two-phase model describing the growth of solid tumors*

15:30      Robert Denk (Konstanz)  
*Maximal  $L_p$ -regularity of non-local boundary value problems*