

Oberseminar/Research Seminar 2010  
Mon 12:30–14:00, INF 229, R120

General Theme: Numerical Simulation (incl exercises)

- water flow (MuPhi)
- solute transport (MuPhi)
- GPR (MEEP)

10. Oct.		preparatory discussion
17. Oct.	Kurt Roth	Fundamentals of solute transport
24. Oct.	Pan Xicai	Estimating field-scale soil water dynamics at a heterogeneous site using multi-channel GPR
31. Oct.	Jens Buchner	A new approach to inversely estimate water content and soil geometry from GPR measurements: Insights to the method and to inverse parameter estimation in general
7. Nov.	Christoph Heiß & Cornelius Claussen	Surface roughness estimation using LIDAR
14. Nov.	Andreas Dagenbach	Estimating hydraulic properties from GPR measurements: numerical simulations
18. Nov.	Steffen Heberle	Laboratory experiments on solute dispersion in unsaturated porous media: results and analysis (13-15!)
21. Nov.	Patrick Klenk & Yanfang Qin	Soil water content in the Urumqi region - a detailed study of all available datasets
28. Nov.		– seminar moved to 6.2. –
5. Dec.		– seminar moved to 13.2. –
12. Dec.	Gaby Schenk	Soil Temperature Projection
19. Dec.	Ulrike Niederle	Estimation of hydraulic properties using soil moisture data close to the surface
9. Jan.	Stefan Jauman	Adapting the hydraulic model of the ASSESS-Site to the measurements (any time Dec-Feb)
16. Jan.	Eva Kröner	Effective representation of water flow in heterogeneous media (incl exercise)
23. Jan.	Waldemar Schiefer	Effective transport parameters: numerical simulation for unsaturated media (incl exercise)
30. Jan.		– seminar moved to 20.2. –
		– semester ends –
6. Feb.	Christina Seegers	Estimating hydraulic properties from GPR measurements: experiments
13. Feb.		
20. Feb.	Andreas Dagenbach	Numerical simulations of GPR

(incl exercise)