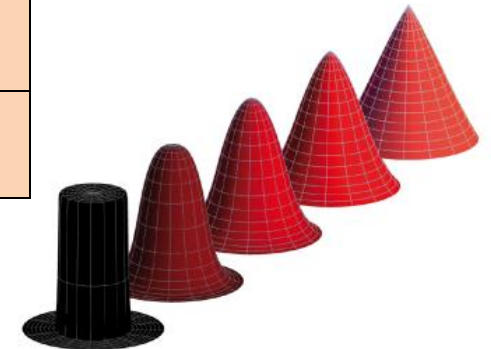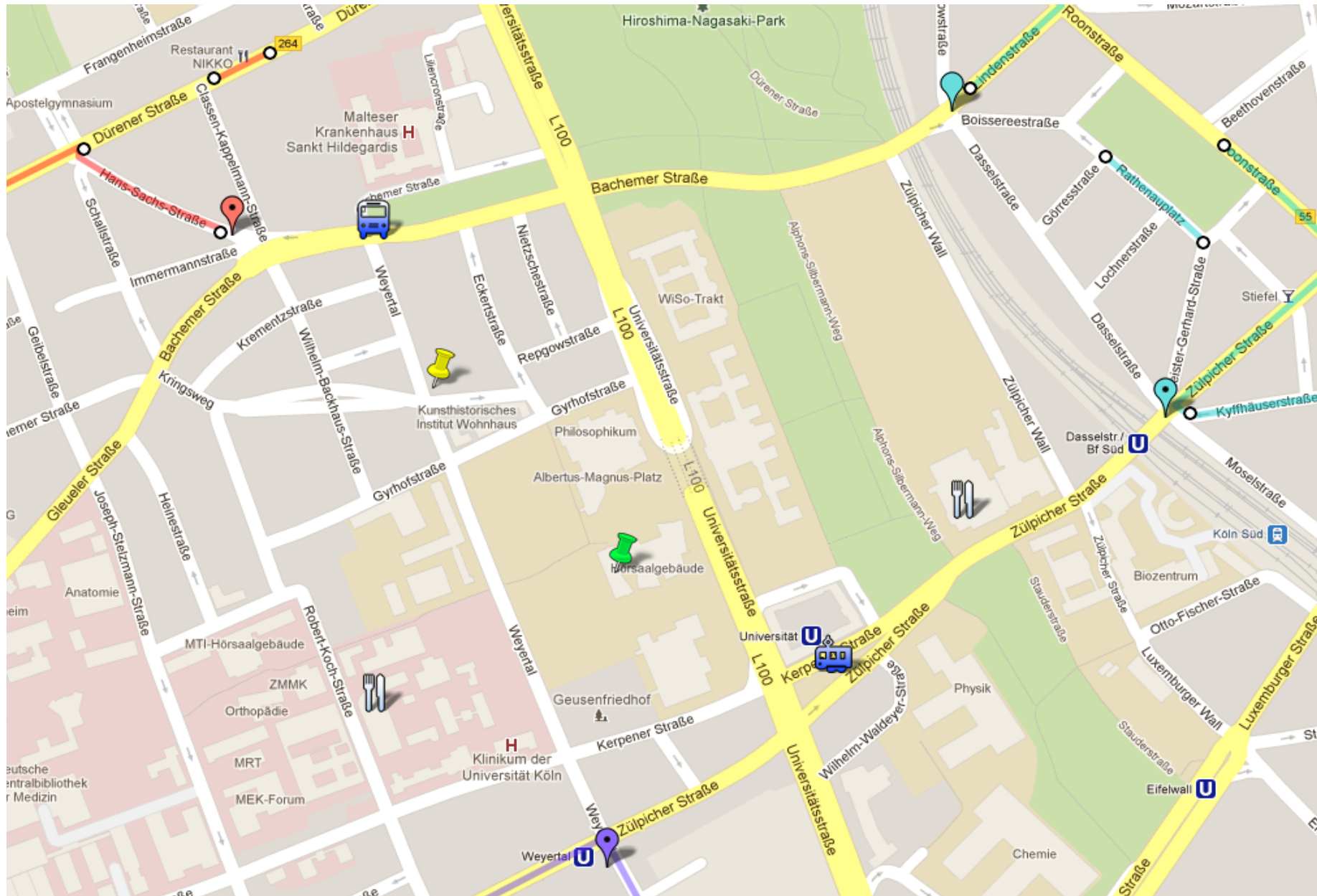# Schedule Cologne Conference on Nonlinear Differential Equations (CoCoNoDE 2013)

	Monday, 25-2-2013	Tuesday, 26-2-2013	Wednesday, 27-2-2013	Thursday, 28-2-2013
08:30 – 09:40	Registration			
09:00 – 09:50	09:45- 10:00 Welcome	Chair: S. Luckhaus **G. Talenti:** *Thoughts on a Busemann equation*	Chair: W. Jäger **M. Lucia:** *An optimal Onofri type inequality for the p-Laplacian*	Chair: C. Bandle **F. Schuricht:** *Eigenvalue problem for the 1-Laplace operator*
10:00 – 10:50	Chair: G. Sweers **W. Jäger:** *Interactions of the fluid and solid phases in complex media …*	Chair: S. Luckhaus **P. Juutinen:** *Discontinuous gradient constraints and the infinity Laplacian*	Chair: W. Jäger **B. Dacorogna:** *The pullback equation for symplectic forms*	Chair: C. Bandle **W. Wendland:** *Nonlinear Riemann-Hilbert problems*
	Coffee break	Coffee break	Coffee break	Coffee break
11:20 – 12:10	Chair: C. Nitsch **A. Colesanti:** *Interactions between elliptic PDEs and convex geometry*	Chair: W. Reichel **H. Berestycki:** *The effect of a line with fast diffusion on Fisher-KPP propagation*	Chair: V. Ferone **G. Buttazzo:** *Some new problems in spectral optimization*	Chair: M. Feistauer **N. Kutev:** *Interior blow ups and 'interior boundaries' for second order elliptic equations*
	Lunch break	Lunch break	Lunch break	Lunch break
14:00 – 14:50	Chair: W. Wendland **C. Bandle:** *Shape derivatives and applications*	Chair: H. Berestycki **C. Dafermos:** *BV solutions for hyperbolic systems of balance laws with relaxation*	Chair: G. Buttazzo **M. Böhm:** *On some balance equations in the theory of material behaviour of steel*	Chair: A. Greco **C. Nitsch:** *On the best constant in a Sobolev trace inequality*
15:00 – 15:50	Chair: W. Wendland **M. Feistauer:** *Discontinuous Galerkin method for the solution of the interaction …*	Chair: H. Berestycki **M. Fila:** *Extinction of solutions of the fast diffusion equation*	Chair: G. Buttazzo **W. Reichel:** *Distributional solutions of the stationary nonlinear Schrödinger equation …*	Chair: A. Greco **S. Luckhaus:** *Deformation of Bravais lattices and plasticity*
	Coffee break	Conference photo	Coffee break	
16:20 – 17:10	Chair: S. Krömer **V. Ferone:** *On the minimizers of trace inequalities in BV*		Chair: B. Dacorogna **M. Novaga:** *Cheeger sets and isoperimetric towers*	
17:20 – 18:10	Chair: S. Krömer **P. Salani:** *Optimal concavity for p-capacity*	17.00 Social Program	Chair: B. Dacorogna **E. Parini:** *Optimal constants for higher-order functional embeddings*	
19:00 – ….		Conference dinner in: Gilden im ZIMS Heumarkt 77, 50677 Köln 19:00 h		

All lectures will take place in the `Seminargebäude': ground floor on the right.

Seminargebaeude
Lectures CoCoNoDE 2013

MI
The Mathematical Institute is under renovation. The offices of Kawohl and Sweers can still be reached through a back entrance.

http://goo.gl/maps/ixnTw