

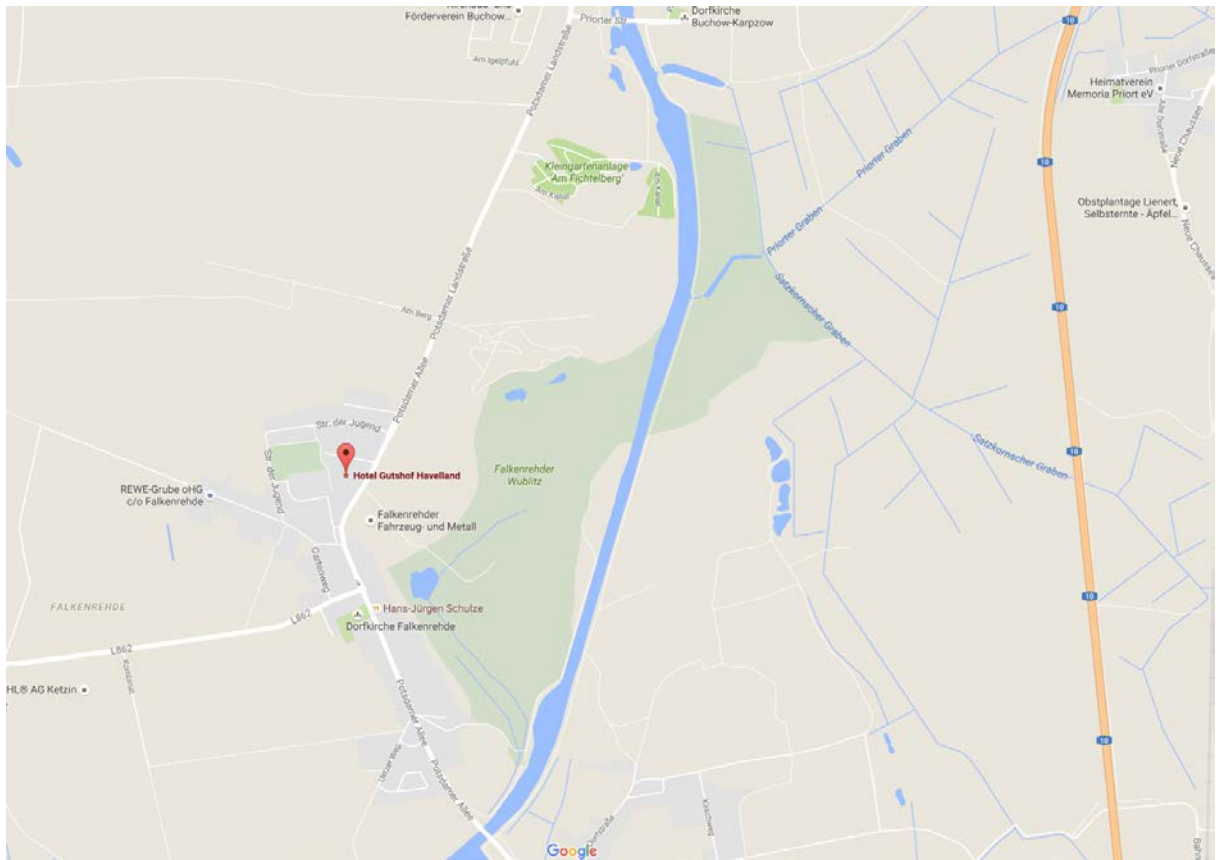
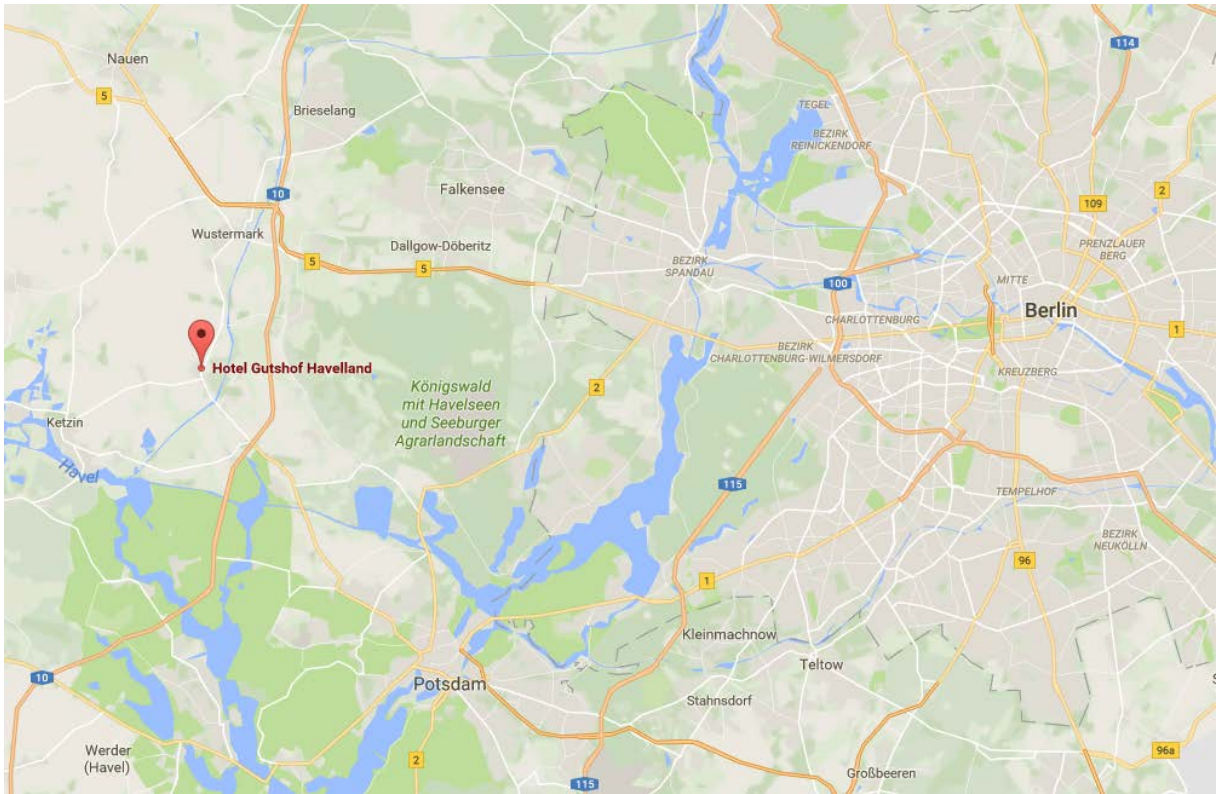
CRC 1114

SCCS Days 2016 of the
Collaborative Research Center – SFB 1114
Scaling Cascades in Complex Systems

10 – 12 October 2016

Gutshof Havelland, Ketzin, Brandenburg

Program



Travel Information

Venue

Hotel Gutshof Havelland / Potsdamer Allee 30 / D - 14669 Ketzin

<http://www.gutshof-havelland.de/>

Phone: 033233 870

Public Transport Connections

From Berlin

Berlin Hbf (tief)	ab 08:00	8	RE 63896	Ostdeutsche Eisenbahn GmbH Richtung: Rathenow Fahrradmitnahme begrenzt möglich
Wustermark	an 08:27	1		

🚶 Fußweg 2 Min. > Umsteigezeit anpassen

Bahnhof, Wustermark	ab 08:41		Bus 650	Bus Richtung: Paaren, Potsdam keine Fahrradbeförderung möglich
Falkenrehde Str. der Jugend, Ketzin	an 08:50			

🚶 Fußweg 4 Min. > Weg anzeigen

14669 Ketzin/Havel, Potsdamer Allee 30

From Potsdam

Hauptbahnhof (S), Potsdam	ab 08:16		Bus 614	Bus Richtung: Schule, Ketzin keine Fahrradbeförderung möglich , Behindertengerechtes Fahrzeug
Falkenrehde Dorf, Ketzin	an 08:54			

🚶 Fußweg 8 Min. > Weg anzeigen

14669 Ketzin/Havel, Potsdamer Allee 30

Note: A Berlin ABC ticket is valid on both routes.

Local Taxi Services

Ketzin: 033233 80517

Nauen: 03321 46999

Falkensee: 03322 253931

Monday, 10 October 2016

9.00 *Arrival and Check-In*

9.45 Welcome address by Prof. Dr.-Ing. Rupert Klein

Group A + AP01, Chairman: Dr. Martin Heida

10.00 A01 - *Coupling a multiscale stochastic precipitation model to large scale atmospheric flow dynamics*

10.30 A02 - *Multiscale data and asymptotic model assimilation for atmospheric flows*

11.00 A04 - *Efficient calculation of slow and stationary scales in molecular dynamics*

11.30 *Short Break*

12.00 A05 - *Probing scales in equilibrated systems by optimal nonequilibrium forcing*

12.30 AP01 - *Particles in lipid bilayers*

13.00 *Lunch*

14.00 Review Session

Group B + C02, Chairman: Dr. Jan Henning Peters

14.30 B01 - *Fault networks and scaling properties of deformation accumulation*

15.00 B02 - *Polymer dynamic theories, Markov state models and protein folding free energy landscapes*

15.30 B03 - *Multilevel coarse graining of multiscale problems*

16.00 *Coffee Break*

16.30 B04 - *Multiscale tensor decomposition methods for partial differential equations*

17.00 B05 - *Origin of the scaling cascades in protein dynamics*

17.30 Review Session

18.00 C02 - *Water diffusion at biological molecules and interfaces: Bridging stochastic and hydrodynamic descriptions*

18.30 *Dinner*

Tuesday, 11 October 2016

8.00 *Breakfast*

Group C (excl. C02),

Chairman: Dr. Thomas von Larcher

9.00 C01 - *Adaptive coupling of scales in molecular dynamics and beyond to fluid dynamics*

9.30 C03 - *Multiscale modelling and simulation for spatiotemporal master equations*

10.00 C05 - *Effective models for interfaces with many scales*

10.30 *Short Break*

11.00 C06 - *Multi-scale structure of atmospheric vortices*

11.30 C08 - *Stochastic spatial coagulation particle processes*

12.00 Review Session

12.30 *Lunch / Board Meeting*

13.30 Prof. Dr. Tim Sullivan - *On probabilistic numerics and how it could connect to multiscale systems*

14.00 Prof. Dr. Felix Höfling - *Complex transport in liquid matter and cells*

14.30 CRC 1114 Crossover - Marketplace

15.00 Poster Session (*with coffee and cake*)

17.30 Dr. Nikki Vercauteren - *Data-driven investigations of flow structures in the stable atmospheric boundary layer*

19.00 *Dinner*

20.00 *Pub Quiz*

Wednesday, 12 October 2016

8.00 Breakfast

9.00 Lara Neureither - *What is ... Markov Chains*

9.15 Dr. Peter Koltai - *What is ... Coherent Sets*

9.30 Dr. Michiel Renger - *What is ... Gamma Convergence*

9.45 Short Break

10.15 Prof. Dr. Ralf Kornhuber - *Status Summary*

10.30 Prof. Dr. Christof Schütte - *Critical Notes*

10.45 Prof. Dr.-Ing. Rupert Klein - *Perspective Talk by*

11.00 PI meeting / *Free Time + Optional Country Walk*

12.30 Lunch


13.30 Closing Remarks by Prof. Dr.-Ing. Rupert Klein

Return Travel

To Berlin

Ketzin/Havel - Falkenrehde, Potsdamer Allee 30				
 Fußweg 4 Min.				> Weg anzeigen
Falkenrehde Str. der Jugend, Ketzin	ab 14:50		Bus 650 Bus 663	Bus Richtung: 650 Wustermark keine Fahrradbeförderung möglich Verkehr als Bus 650 bis Schule, Wustermark, danach als Bus 663
Elstal Schulstr., Wustermark	an 15:05			
 Übergang 20 Min.				> Umsteigezeit anpassen
Elstal	ab 15:33	2	RE 63913	Ostdeutsche Eisenbahn GmbH Richtung: Jüterbog Fahrradmitnahme begrenzt möglich
Berlin Hbf (tief)	an 16:01	1		

To Potsdam

Ketzin/Havel - Falkenrehde, Potsdamer Allee 30				
 Fußweg 8 Min.				> Weg anzeigen
Falkenrehde Dorf, Ketzin	ab 15:02		Bus 614	Bus Richtung: 614 S Potsdam Hauptbahnhof keine Fahrradbeförderung möglich, Behindertengerechtes Fahrzeug
Hauptbahnhof (S), Potsdam	an 15:41			

List of Participants

Principal Investigators

Prof. Dr. Luigi Delle Site
Prof. Dr. Carsten Hartmann
Prof. Dr. Petra Imhoff
Prof. Dr. Bettina Keller
Prof. Dr.-Ing. Rupert Klein
Prof. Dr. Ralf Kornhuber
Prof. Dr. Alexander Mielke
Prof. Dr. Roland Netz
PD Dr. Peter Névir
Prof. Dr. Onno Oncken
Dr. Robert Patterson
Prof. Dr.-Ing. Sebastian Reich
Dr. Matthias Rosenau
Prof. Dr. Henning Rust
Prof. Dr. Reinhold Schneider
Prof. Dr. Christof Schütte
Prof. Dr. Uwe Ulbrich
PD Dr. Marcus Weber
Dr. Thomas Weikl
Prof. Dr. Harry Yserentant

Postdocs

Dr. Hao Wu
Dr. Andreas Bittracher
Dr. Stefan Klus
Dr. Ludwig Gauckler
Dr. Johann Moschner
Dr. Thomas von Larcher
Dr. Jan Henning Peters
Dr. Stefanie Winkelmann
Dr. Michiel Renger
Dr. Martin Heida
Dr. Walter Acevedo
Dr. Peter Koltai
Dr. Christian Krekeler
Dr. Stephan Gerber
Dr. Han Cheng Lie
Dr. Sebastian Matera

Guests

Dr. Sabine Hittmeir
Prof. Dr. Tim Sullivan
Jon Cockayne
Prof. Dr. Felix Höfling
Dr. Nikki Vercauteren

Coordination Team

Dr. Nina Fabjancic
Dr. Kristine Al Zoukra
Stephanie Auerbach

PhD Students

Annette Müller
Christoph Ritschel
Gottfried Hastermann
Maria Reinhardt
Feliks Nüske
Lara Neureither
Jannes Quer
Joscha Podlesny
Michael Rudolf
Julian Kappler
Luca Donati
Irtaza Hassan
Robert Schulz
Fabian Paul
Tom Dörffel
Tobias Kies
Hossein Batebi
Luigi Sbailo
Patrick Gelß
Matthias Waidmann
Florian Brüning
Christoph Fröhner
Mahdi Bagherpoor
Marco Reidelbach