

Welcome to the

640. WE-Heraeus Seminar

Non-Markovianity and Strong Coupling Effects in Thermodynamics

in Bad Honnef (April 10 – April 13, 2017).

Organizers:



Gernot
Schaller



Javier
Cerrillo



Philipp
Strasberg

Financial support:



WE-Heraeus
Foundation

1 The Wilhelm & Else Heraeus Foundation

2 Program of the Workshop

- Most important German private non-profit organization to support research and education in the natural science. Founded 1963.
- Many diverse seminars:
 - ...
 - 639. WEH-Seminar: *Aerosols-clouds-precipitation and Climate: Towards a Flux-closure Field Campaign.*
 - **640. WEH-Seminar: *Non-Markovianity and Strong Coupling Effects in Thermodynamics.***
 - 641. WEH-Seminar: *Do Black Holes exist? – The Physics and Philosophy of Black Holes.*
 - ...



Prevent fire



Smoking and open fire in the building are strictly forbidden

There is a smoke detector in every guest room!



In case of fire:

- Alert others (sleeping or having headsets)
- Help people with special needs
- Close windows and doors
- Leave the building:
Do not use elevator, use the stairs



Freedom and safety



- To activate the lock press the transponder button
- If you don't lock your room door it will stay open!
- Keep your transponder during the whole meeting, don't put it to the key hanger!

Freedom and safety

Your room transponder also opens all outer doors!



This is a transponder
signal receiver

- To unlock the door
just press
the transponder button

...Getränkeliſte...

1 The Wilhelm & Else Heraeus Foundation

2 Program of the Workshop

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
9 30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10 30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón	Social Event	Farewell / Poster Prize
12 00	Lunch	Lunch		Lunch
13 00	Martin Plenio	John Goold		
14 00	Luis Correa	Jens Eisert	Janet Anders	
15 00	Coffee Break	Coffee Break	Felix Pollock	
16 00	Poster Session	Jianshu Cao	Coffee Break	
17 00			Sabrina Maniscalco	
18 00				
19 00	Dinner	Heraeus Dinner	Dinner	

Invited Talks

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
30				
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón		Farewell / Poster Prize
30	Lunch	Lunch	Social Event	Lunch
13 00				
30	Martin Plenio	John Goold		
14 00	Luis Correa	Jens Eisert	Janet Anders	
30	Coffee Break	Coffee Break	Felix Pollock	
15 00	Poster Session	Jianshu Cao	Coffee Break	
30			Sabrina Maniscalco	
16 00				
17 00				
30				
18 00				
30				
19 00	Dinner	Heraeus Dinner	Dinner	
30				

45 + 15 minutes!

Contributed Talks

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
30				
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón	Social Event	Farewell / Poster Prize
30				
12 00	Lunch	Lunch		Lunch
30				
13 00	Martin Plenio	John Goold	Janet Anders	
30	Luis Correa	Jens Eisert		
14 00	Coffee Break	Coffee Break		
30				
15 00	Poster Session	Jianshu Cao	Felix Pollock	
30			Coffee Break	
16 00			Sabrina Maniscalco	
30				
17 00				
30				
18 00				
30				
19 00	Dinner	Heraeus Dinner	Dinner	
30				

20 + 10 minutes!

Poster Session (today 4pm – 7pm!)

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
9 30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10 30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón	Social Event	Farewell / Poster Prize
11 30	Lunch	Lunch		Lunch
12 00	Martin Plenio	John Goold		
12 30	Luis Correa	Jens Eisert	Janet Anders	
13 00	Coffee Break	Coffee Break	Felix Pollock	
13 30	Poster Session	Jianshu Cao	Coffee Break	
14 00	Poster Session		Sabrina Maniscalco	
14 30	Dinner	Heraeus Dinner	Dinner	

Poster prize!

Poster Session (today 4pm – 7pm!)

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
30				
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón	Social Event	Farewell / Poster Prize
30				
12 00	Lunch	Lunch		Lunch
30				
13 00	Martin Plenio	John Gool	Social Event	
30				
14 00	Luis Correa	Jens Eisert		
30	Coffee Break			
15 00			Janet Anders	
30			Felix Pollock	
16 00	Poster Session	Coffee Break	Coffee Break	
30		Jianshu Cao		
17 00			Sabrina Maniscalco	
30				
18 00				
30				
19 00	Dinner	Heraeus Dinner	Dinner	
30				

Poster prize!

You cannot vote for Gernot Schaller, Javier Cerrillo, Philipp Strasberg!

Social Dinner

	Monday	Tuesday	Wednesday	Thursday
8 00	Breakfast			
30				
9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
30	Christopher Jarzynski	David Gelbwaser	Robert Whitney	Rebecca Schmidt
10 00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
30	Inés de Vega	Susana Huelga	Yoshitaka Tanimura	Michele Campisi
11 00	Martí Perarnau-Llobet	Leonardo Pachón	Social Event	Farewell / Poster Prize
30	Lunch	Lunch		Lunch
13 00	Martin Plenio	John Gould		
30	Luis Correa	Jens Eisert	Janet Anders	
15 00	Coffee Break	Coffee Break	Felix Pollock	
30	Poster Session	Jianshu Cao	Coffee Break	
16 00			Sabrina Maniscalco	
30				
17 00				
30				
18 00				
30				
19 00	Dinner	Heraeus Dinner	Dinner	
30				

Free beer, wine ... (cheers!).

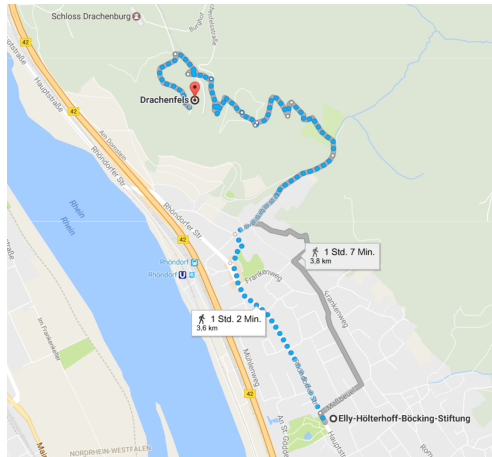
Social Event

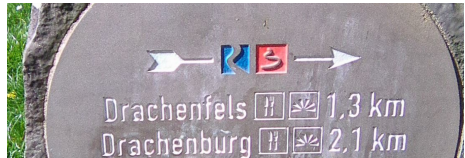
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8 00	Breakfast			
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9 00	Welcome Address	Massimiliano Esposito	Heinz-Peter Breuer	Ahsan Nazir
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19 00	Dinner	Heraeus Dinner	Dinner	
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Social Event



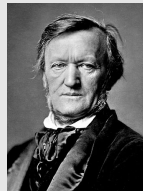
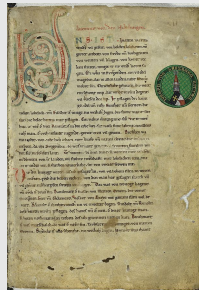
Recommendation: Excursion to the “Drachenfels”





What's special about the “Drachenfels”?

- Plays an important part in the *Nibelungenlied* (*The Song of the Nibelungs*).
- Epic poem and ancient Germanic heroic saga (going back to the 5th century).
- Part of UNESCO's Memory of the World Register.
- Famous opera by Richard Wagner: *Der Ring des Nibelungen* (*The Ring of the Nibelung*):
 - Wagner worked 26 years on it.
 - Total duration of the opera: 16 hours.



The Story



Tobias Brandes



05 March 1966 – 02 February 2017

