

Program

Sunday, May 29th, 2016

17:00 – 21:00 Registration

From 18:30 *DINNER / Informal get together*

Monday, May 30th, 2016

07:45 *BREAKFAST*

08:45 – 09:00 Norbert Hoffmann
Nail Akhmediev
Helmut Brand

Welcome and opening

09:00 – 09:40 Günther Clauss

Extreme Waves: Identification of Worst Case Scenarios

09:40 – 10:20 Thomas Adcock

The shape of extreme wave-groups on the open ocean

10:20 – 11:00 *COFFEE BREAK*

11:00 – 11:40 Takuji Waseda

Freak Waves in the real ocean

11:40 – 12:20 Alessandro Toffoli

Non-Gaussian properties of wind-waves: An experimental model in a circular wind-wave flume

12:20 – 12:30 **Conference Photo** (in the foyer of the lecture hall)

12:30 *LUNCH*

Program

Monday, May 30th, 2016

14:00 – 14:40	Amin Chabchoub	Phase Dynamics in the Propagation of Nonlinear Localized Structures
14:40 – 15:20	Peter Fröhle	Extreme Events and Rogue Waves in Different Environments
15:20 – 16:00	<i>COFFEE BREAK</i>	
16:00 – 16:40	Joachim Peinke	Capturing rogue waves by multi-point statistics
16:40 – 17:20	Victor Shrira	The highest water wave groups: the place of the NLS solutions in the full Euler equations?
17:20 – 18:00	Discussions	
18:00 – 20:00	Poster session	
20:00	<i>DINNER</i>	

Program

Tuesday, May 31th, 2016

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Christopher Swan	Extreme Surface Water Waves in Realistic Directionally Spread Seas
09:40 – 10:20	Orazio Descalzi	Exploding dissipative solitons
10:20 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:40	Susanne Lehner	Rogue Waves from Satellite SAR Imagery
11:40 – 12:20	Fabio Biancalana	Origin of rogue solitons in optical fibers
12:20	<i>LUNCH</i>	
14:00 – 14:40	Fabio Baronio	Optical Spatio-Temporal Dynamics of Hydrodynamic Origin
14:40 – 15:20	Neil Broderick	Soliton Explosions in Mode-Locked Fibre Lasers
15:20 – 16:00	<i>COFFEE BREAK</i>	
16:00 – 16:40	Alexey Slunyaev	Short-term forecasting of rogue waves
16:40 – 17:20	Posterflash	
17:20 – 18:00	Discussions	
18:00 – 20:00	Poster session	
20:00	<i>DINNER</i>	

Program

Wednesday, June 1st, 2016

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Goëry Genty	Linear and nonlinear - reviewing experiments on rogue waves in optics
09:40 – 10:20	Efim Pelinovsky	Soliton gas: interactions, turbulence and rogue waves
10:20 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:40	Stefan Wabnitz	Spatio-temporal extreme waves in optical fiber systems
11:40 – 12:20	Cristina Masoller	Investigating extreme events in laser systems with nonlinear tools of time-series analysis
12:20	<i>LUNCH</i>	
14:00	Free afternoon	
16:00	Excursion	
20:00	<i>DINNER</i>	

Program

Thursday, June 2nd, 2016

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Pierre Suret	Optical Rogue Waves in integrable turbulence : direct observation by using Time Microscopy and study of the statistical properties
09:40 – 10:20	Bertrand Kibler	New experiments on modulation instability and extreme waves in scalar/vector and conservative/dissipative nonlinear fiber systems
10:20 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:40	Majid Taki	Rogue waves formation in spatiotemporal chaos regime of optical fiber cavities
11:40 – 12:20	Carlos Cartes	Periodic exploding dissipative solitons
12:20	<i>LUNCH</i>	
14:00 – 14:40	Mustapha Tlidi	Time-delayed feedback induced two-dimensional dissipative rogue waves
14:40 – 15:20	Elena Tobisch	Dynamical energy cascades in systems with moderate nonlinearity: various manifestations of a single mechanism
15:20 – 16:00	<i>COFFEE BREAK</i>	

Program

Thursday, June 2nd, 2016

- 16:00 – 16:40 Fedor Mitschke **The Challenge in Optical Telecommunications: Soliton Molecules for the Long Haul?**
- 16:40 – 17:20 Melisa Menéndez **Climate variability dependence in extreme events of sea level & waves**
- 17:20 – 18:00 **Discussions**
- 18:00 – 20:00 **Poster session**
- 20:00 – 20:15 Stefan Jorda **About the Wilhelm and Else Heraeus Foundation**
- 20:15 *HERAEUS DINNER*
(cold & warm buffet, free beverages)

Program

Friday, June 3rd, 2016

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Ulrike Feudel	Extreme events in excitable systems
09:40 – 10:20	Sergei Turitsyn	Extreme fluctuations in the optical communication data streams
10:20 – 11:00	<i>COFFEE BREAK</i>	
11:00 – 11:40	Maura Brunetti	Akhmediev breathers under strong-wind regime
11:40 – 12:20	Uwe Bandelow	Heteroclinic connections and limiting cases in integrable NLS-type equations
12:20	<i>LUNCH</i>	
14:00 – 14:40	Petra Friederichs	Predicting spatial weather extremes
14:40 – 15:20	Holger Kantz	Extreme value statistics revisited: non-stationarity, long-range correlations, and the subtleties of maximising the likelihood
15:20 – 16:00	<i>COFFEE BREAK</i>	
16:00 – 16:40	Shihua Chen	Chirped Peregrine solitons and other novel rogue wave phenomena
16:40 – 17:20	Nail Akhmediev	Rogue waves in integrable and dissipative systems
17:20 – 18:00	Norbert Hoffmann Nail Akhmediev Helmut Brand	Concluding Remarks and Poster awards
18:00 – 20:00	Poster session	
20:00	<i>DINNER</i>	

End of the seminar and departure

Breakfast at 08:00 h for those leaving on Saturday