

# WIN-2016, Programme

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**Sunday, 24.04.2016**

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18:00–18:45 Registration, Hotel Sommerhaus, Lobby

19:00 Welcome reception, Hotel Sommerhaus, 13-th floor

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**Monday, 25.04.2016**

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08:30–09:00 Registration

09:00–09:10 Opening ceremony

09:10–10:10 L. Shemer (keynote speaker)  
Duration- and fetch-limited wind waves in a laboratory flume

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10:10–10:30 Coffee break

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10:30–11:30 A. Picozzi (keynote speaker)  
Introduction to optical wave turbulence

11:30–12:30 S.Y. Annenkov  
New approaches to numerical simulation of random wave field  
spectral evolution

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12:30–14:20 Lunch

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14:20–15:00 V. Shrira (keynote speaker)  
What is wrong with the kinetic equations and could we fix the  
matter?

15:00–15:40 E.A. Kuznetsov  
Quasi-singular distributions and their role in hydrodynamic tur-  
bulence

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15:40–16:00 Coffee break

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16:00–16:40 A. Maiocchi  
The effective equation method

16:40–17:20 G.J. Lord  
Numerical simulation of waves for SPDEs

17:20–18:00 P. Suret  
Optical rogue waves in integrable turbulence

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**Tuesday, 26.04.2016**

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09:00–10:00	D.E. Pelinovsky (keynote speaker) Nonlinear instabilities of solitons and breathers
10:00–10:40	R. Grimshaw Development of undular bores in a variable medium
10:40–11:00	Coffee break
11:00–11:40	G. El Identification of rogue waves from scattering transform analysis of periodized waveforms
11:40–12:20	A. Mukherjee Modelling rogue waves through exact dynamical lump soliton controlled by ocean currents
12:20–14:00	Lunch
14:00–14:40	A. Degasperis Continuous wave instability in integrable systems
15:20–16:00	G. Steinmeyer Rogue waves: Linear vs. nonlinear emergence
16:00–16:20	Coffee break
16:20–17:00	Sh. Amiranashvili How to become a champion soliton
17:00–18:00	Round table “Rogue waves”

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**Wednesday, 27.04.2016**

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09:00–10:00	P.H. Diamond (keynote speaker) Climbing the potential vorticity staircase: How gradient modulations nucleate profile structure and transport barriers
10:00–10:40	E. Falcon Observation of resonant interactions among gravity surface waves
10:40–11:00	Group photo & Coffee break
11:00–11:40	U. Kadri Faraday waves by acoustic-gravity resonant triads
11:40–12:20	G. Huang Pseudo-traveling waves in a pendulum lattice with analytic weak neighboring interactions
12:20–13:00	U. Bandelow Solitons that do not want to be too short in duration
13:00–14:40	Lunch
14:40–15:20	E. Tobisch Dynamical energy cascades: experimental and numerical verification of the theory
15:20–16:00	D. Proment Vortex energy decay in a superfluid
16:00–16:20	Coffee break
16:20–17:00	A. Slunyaev Spectra of nonlinear unidirectional sea waves
17:00–17:40	M. Onorato Origin of heavy tails in equations of the Nonlinear Schrödinger type: an exact result
18:30	Theremin concert and conference dinner

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**Thursday, 28.04.2016**

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09:00–10:00	C.C.Mei (keynote speaker) Modified Kadomtsev-Petviashvili equation applied to tsunami propagation
10:00-10:40	E. Pelinovsky Rogue waves in solitonic gas
10:40-11:20	T. Talipova Nonlinear disintegration of sine wave in the framework of the Gardner equation
11:20-12:00	A. Smolyakov On the interaction of inertia-gravity and Rossby waves
12:00-12:40	S. Bugaychuk Amplification of optical pulses in dynamical nonlinear systems with wave interaction
12:40-12:50	Closing

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