

Preliminary Program of Conference on Mathematics of Wave Phenomena, Karlsruhe, July 23-27, 2018

	Monday 23. July 2018	Tuesday 24. July 2018	Wednesday 25. July 2018	Thursday 26. July 2018	Friday 27. July 2018
08:00-09:00	Registration	Registration	Registration	Registration	Registration
09:00-09:15	Welcome Session				
09:15-10:00	Tataru	Raphael	Bonnet-BenDhia	Borcea	Sandstede
10:00-10:15					
10:15-11:00	Faou	Tsukerman	Donninger	Schweizer	Monk
11:00-11:15					
11:15-11:30	Coffee Break • Registration	Coffee Break • Registration	Coffee Break • Registration	Coffee Break • Registration	Coffee Break
11:30-11:45					
11:45-12:30	Contributed Talks and Minisymposia 6, 7, 9, 13	Contributed Talks and Minisymposia 1, 10, 12, 14	Contributed Talks and Minisymposia 2, 5, 8, 14	Contributed Talks and Minisymposia 2, 3, 8, 11	Engquist
12:30-13:00					
13:00-13:15					
13:15-14:30	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
14:30-15:00					
15:00-16:00	Contributed Talks and Minisymposia 6, 7, 9, 13	Contributed Talks and Minisymposia 1, 5, 10, 14	Contributed Talks and Minisymposia 5, 10, 11, 14	Contributed Talks and Minisymposia 2, 3, 4, 8, 11	Excursion
16:00-16:30	Coffee Break • Registration	Coffee Break • Registration	Coffee Break • Registration	Coffee Break • Registration	
16:30-18:00	Contributed Talks and Minisymposia 6, 7, 9, 13	Contributed Talks and Minisymposia 1, 10, 12	Contributed Talks and Minisymposia 2, 5, 10, 14	Contributed Talks and Minisymposia 4, 8, 11	
18:00-18:30					
18:30-21:00				Dinner	

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List of Minisymposia

- 1 [Stochastic nonlinear wave and Schrödinger equations and applications](#)
Organizers: Zdzislaw Brzezniak (York) and Tadahiro Oh (Edinburgh)
- 2 [Recent advances in inverse scattering theory](#)
Organizers: Fioralba Cakoni (Piscataway) and Houssein Haddar (Palaiseau)
- 3 [Spectral and dispersive properties of quantum Hamiltonians](#)
Organizers: Piero D'Ancona (Rome) and Roland Donninger (Vienna)
- 4 [Optimization of transmission and reflection of waves](#)
Organizer: Willy Dörfler (Karlsruhe)
- 5 [Mathematical theory of water waves](#)
Organizers: Wolf-Patrick Düll (Stuttgart) and J. Douglas Wright (Philadelphia)
- 6 [Inverse scattering and electrical impedance tomography](#)
Organizers: Roland Griesmaier (Karlsruhe) and John Sylvester (Seattle)
- 7 [Time integration for wave-type problems](#)
Organizers: Marlis Hochbruck (Karlsruhe) and Tobias Jahnke (Karlsruhe)
- 8 [Geometric methods in spectral theory of traveling waves](#)
Organizers: Chris Jones (Chapel Hill) and Yuri Latushkin (Columbia)
- 9 [Kerr frequency combs – from models to experiments and back](#)
Organizers: Christian Koos (Karlsruhe) and Wolfgang Reichel (Karlsruhe)
- 10 [Microlocal analysis of wave phenomena](#)
Organizers: Todd Quinto (Medford) and Andreas Rieder (Karlsruhe)
- 11 [Bifurcations of nonlinear waves – theory, numerics and applications](#)
Organizers: Jens Rademacher (Bremen) and Hannes Uecker (Oldenburg)
- 12 [Pattern formation and localized structures](#)
Organizers: Guido Schneider (Stuttgart) and Björn de Rijk (Stuttgart)
- 13 [Nonlinear dispersive equations – blowup, solitons and long-time behavior](#)
Organizers: Birgit Schörkhuber (Karlsruhe)
- 14 [Stability of solitary waves](#)
Organizer: Atanas Stefanov (Lawrence)