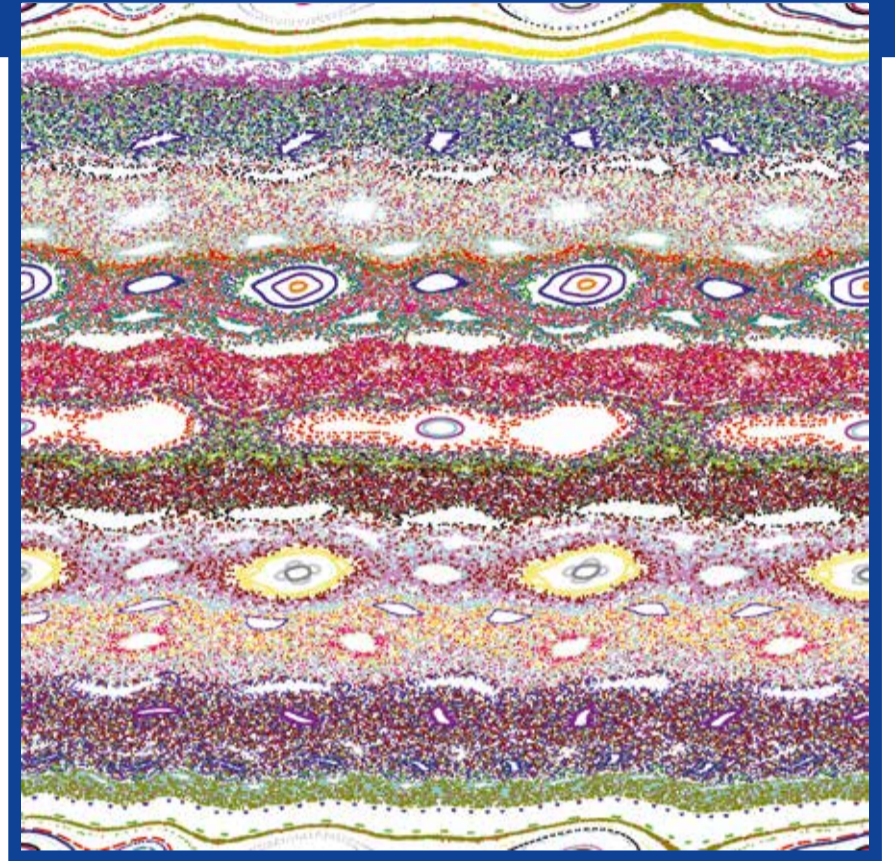




# Quantum Correlated Matter and Chaos

## International Workshop 21 - 26 June 2015

The Workshop will bring together researchers from the fields of quantum correlated matter, Anderson localization with interactions, quantum chaos, random matrix theory, and econophysics to explore areas of overlap in emerging problems in nonlinear dynamics, condensed matter and atomic physics. This combination is inspired by the work of Richard Prange, as exchanging ideas between these fields resulted in substantial progress in the past.



### Topics include

- quantum / wave chaos
- correlated materials
- topological states of matter
- quantum hall effects
- Majorana fermions
- Anderson localization
- quantum phase transitions
- random matrix theory
- nonlinear dynamics
- mesoscopic physics
- quantum echoes and fidelity
- econophysics

### Introductory talks by

- I. Aleiner (US)
- A. Altland (DE)
- B. Altshuler (US)
- C. Beenakker (NL)
- E. Bogomolny (FR)
- G. Casati (IT)
- S. Das Sarma (US)
- D. Delande (FR)
- V. Galitski (US)
- I. Guarneri (IT)
- F. Haake (DE)
- R. Ketzmerick (DE)
- U. Smilansky (IL)
- V. Yakovenko (US)

The complete list of invited speakers is available on the event's web page.

### Scientific coordinators

- Steven M. Anlage  
College Park, US
- Shmuel Fishman  
Haifa, IL
- Günter Radons  
Chemnitz, DE

### Organisation

Maria Pätzold, MPIPKS

Applications received before 15 March 2015 are considered preferentially.

Applications are welcome and should be made by using the application form on the workshop's web page. The number of attendees is limited. The registration fee for the international workshop is 120 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

### For further information please contact:

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