

# Interface Disorder in Nanosystems

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## Organizers

- A.E. Meyerovich, Rhode Island
- G. Palasantzas, Groningen
- J. Barnas, Poznan

## Topics

- Structures and growth
- Optics and wave propagation
- Electron transport, localization, etc.
- Magnetic & magnetotransport properties
- Hydrodynamic systems with surface disorder

This is an interdisciplinary workshop on the role of surface/interface disorder on physical properties of nanosystems. The participants will include theorists, experimentalists, computational physicists, and material scientists. The aim is to delineate common problems and approaches and to initiate collaboration between the groups working on the effects of surface modulation in such diverse areas as optics, electronic transport, low dimensional systems, hydrodynamics, etc. Researchers working in these seemingly different fields often face a common challenge – to deal with and benefit from natural or artificial surface and interface disorder. Despite the commonality of problems and approaches, researchers are often unaware of progress beyond their narrow area of expertise. The workshop will address this gap.

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