**- Phase-breaking mechanisms**

**- Nyquist phase relaxation in one-dimensional metal ﬁlms**

**- Anderson localization of light**

**- Anderson-Mott transitions**

**- Eﬀect of disorder on the quantum coherence in mesoscopic wires**

**- Modeling of 1D metal-insulator transition**

**- Electron-electron interactions in thin metal films**

**- The Anderson transition and the scaling hypothesis**

**- Peierls distortions in 1D wires: Si(553)-Au**

**- Variable-range hopping conductivity**

**- Variable-range hopping conductivity in Quantum Hall Regime**

**- Hopping conductivity in 2D arrays of Ge/Si quantum dots**

**- Metal-Insulator transition in SrTi1-xRuxO3**

**- Metal-Insulator transition of strained thin films**

**- Electrical transport in wide-band-gap oxide ferromagnetic semiconductors**

**- Electronic transport in cuprates**

**- Coexistence of two different Peierls distortions within an atomic scale wire: Si(553)-Au**

**- Crossover between weak antilocalisation and weak localization in a magnetically doped topological insulator**

**- Measurement of the mobility edge for 3D Anderson localization**