



Calanque de Sugiton - Gilbert Thomas

MINI-WORKSHOP

Frequency- and time-resolved electron transport in nano-circuits

December 7, 2009, CPT, Luminy, Marseille, France

Program

- 9h30–10h: G. Stefanucci *Time-dependent transport phenomena within TDDFT and NEGF*
- 10h–10h30: H. Le Sueur *Energy Relaxation in the quantum Hall regime*
- Chairman: F. Michelini

- 10h30–11h: Coffee break

- 11h–11h30: P. Recher *The Josephson light-emitting diode*
- 11h30–12h: F. Hekking *Phase-charge duality in Josephson junction circuits: role of inertia and effect of microwave irradiation*
- Chairman: I. Safi

- 12h–14h: Lunch

- 14h–14h30: E.V. Sukhorukov *Theory of quantum noise detectors based on resonant tunneling*
- 14h30–15h: B. Reulet *The high frequency third cumulant of noise in a tunnel junction*
- 15h–15h30: R. Deblock *Measurement of non-symmetrized noise with a Josephson junction*
- Chairman: T. Martin

- 15h30–16h: Coffee break

- 16h–16h30: P. Joyez *Shot noise and dynamic Coulomb blockade in tunnel junctions*
- 16h30–17h: F. Portier *Finite frequency shot noise and photon statistics*
- Chairman: C. Bena