

## **Workshop “ Spintronics Day at the University of Basque Country – 2013”**

Date: November 5, 2013

Place: Sala Annexo Parainfo, Faculty of Science and Technology, Leioa

9.50-10.00 Opening remarks

Session 1. Chair: Jens Siewert, University of Basque Country

10.00 – 10. 40 Ignacio Cliemete, University Jaume I, Castello

*Hole spin relaxation in III-V quantum dots*

10.40-11.20 Inanc Adagideli, Sabanci University, Istanbul

*Splitting electrons with dirt: Majorana fermions in disordered wires*

11.20-11.40 Coffee break

11.40-12.20 Thierry Champel, CNRS, Grenoble

*Vortex theory of the quantum Hall effect*

12.20-13.00 Mikhail Glazov, Ioffe Institute, St.-Petersburg

*Spin fluctuations in ensembles of localized electrons*

13.00-13.15 Anna Dyrdal, Adam Mickiewicz University, Poznań

*Spin Hall effect in two-dimensional systems with random Rashba field*

13.15-13.30. Marina Semina, Ioffe Institute, St.-Petersburg

*Spin dynamics and fluctuations of exciton-polaritons*

### **Lunch 13.30-15.00**

Session 2. Chair: Mikhail Glazov, Ioffe Institute, St.-Petersburg

15.00 – 15.40 Serge Florens, CNRS, Grenoble

*Microscopic structure of entanglement in the environment of a qubit*

15.40-16.20 Dominique Persano Adorno, University of Palermo

*Electron spin relaxation in GaAs bulks: the possible benefits of an external noise*

16.20-16.35 Coffee break

16.35-17.15 Leonid Golub, Ioffe Institute, St.-Petersburg

*Weak localization in quantum wells of low symmetry*

17.15-17.30 Daniel Hernangomez-Perez, CNRS, Grenoble

*Disordered quantum Hall systems with Rashba spin-orbit coupling*