**Electronic and Magnetic Properties of Chiral Structures and their Assemblies**

Final program

Monday: Chair- Dave Waldeck

0830-0840 Introduction

0840-0920 David Beratan- Engineering Nanometer-scale Coherence in Soft Matter

0920-0940 Yang, Xu- Graphene-Based Electronics and Spintronics with Self-Assembled Photosystem I Active Layer

0940-1000 Motta, Carlo- On the way towards a theoretical model of charge transport in metal-organic devices

1000-1030- Coffee

1030-1110 Per Hedegard- Molecular spintronics example: Controlling the Kondo effect

1110-1150 Ohldag, Hendrik, Finding magnetic needles in a haystack using soft x-ray dichroism spectromicroscopy.

1150-1230

1230-0230 Lunch

Chair: Karen Michaeli

2:30-0310 Coronado, Eugenio- The state of the art in molecular/organic spintronics

0310-0350 Peskin, Uri- Length-independent transport rates in biomolecules by quantum mechanical unfurling

0350-0420 Coffee

0420-0440 Achim, Catalina- Nucleic Acids as Building Blocks for Chiral Structures

0440-0420 Diez Perez, Ismael-: Single-Molecule Chiral Transport

0420-0500 Mujica, Vladimiro,- A Theoretical Model for Chiral-induced Spin Selectivity In Magnetic STM Junctions

0500-0530 Discussion

Evening group dinner.

Tuesday: Morning free

Chair: Martin Quack

1:30-2:10 Tal, Oren- The upper limit of charge and spin transport in molecular junctions.

2:10-2:30 Herrmann, Carmen- First-principles modeling of electron transport through chiral structures" ciss-theory

2:30-3:10 Therien, Michael- Electronic and Magnetic Properties of Chiral, Semiconducting Polymer-Wrapped Single-Walled Carbon Nanotube Superstructures

3:10-3:30 Coffee

3:30-3:50 Zwang, Theodore- Switchable Spin Filtering Through DNA Duplexes

3:50-4:10 Bendor Oren- Local Chiral Induced Magnetization on Ferromagnets

4:10-4:50 Juan José de Miguel- Spin-sensitive spectroscopy studies of chiral molecules adsorbed at surfaces.

4:50-6:30 Posters

Wednesday Chair: Therien, Michael

0830-0910 Michaeli, Karen- Origin of spin dependent tunneling through chiral molecules

0910-0930 Abendroth, John- Spin-Dependent Electrochemistry of Perylenediimide Derivatives Noncovalently Assembled within DNA

0930-0950 Pramanik, Sandipan- Spin Filtering with Helical Molecules

0950-1010 Discussion

1010-1040 Coffee

1040-1120 Rosenberg, Richard- Synchrotron radiation studies of the interactions of spin-polarized electrons with chiral molecules

1120-1200 Baumeier, Bjoern- Towards a molecular understanding of CISS by multiscale modeling of charge dynamics

1200-1220. Maslyuk, Volodymyr-Spin-Selectivity Effect In Chiral Systems: Ab Initio Investigation and Analysis

1220-1240 Discussion

1240-2:30 Lunch

Chair: Catalina Achim

2:30- 3:10 Zacharias, Helmut- Enantiomer selective electron spin filtering by helicene molecules

3:10-3:30 Gutierrez, Rafael- Modeling Spin Transport in Helical Fields

3:30-4:10 Waldeck, David- Electron Transfer and Electron Transport in Chiral Nanoparticle Assemblies

4:10-4:30 Stohner Juergen- Synthesis of small chiral molecules: An important primary step to investigate chiroptical properties

4:30-5:00 Discussion

6:00 - 9:00 TSRC Picnic @ Telluride Elementary School, under the tent

Thursday Morning free

Chair: David Beratan

2:30-3:10 Quack, Martin- Chiral and Achiral Molecules in Motion

3:10-3:50 Paltiel, Yossi- Optical CISS devices

3:50-4:30 Ron Naaman- The role of spin and chirality in water splitting.

4:30-5:00 Discussions and summary

Friday:

9:00-11:00 Discussions on future collaborations.