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

Schedule

**Monday June 25**

6-8 PM Informal gathering at “Phoenix Bean”

**Tuesday June 26**

Chairperson: David Beratan

09:00-09:15 *-*  Ron Naaman

09:15-09:45 *Chiral molecules, parity violation, tunneling and molecular switches*-Martin Quack,

09:45-10:05 *A compass at weak magnetic fields using thymine dimer repair*- Theodore Zwang,

10:05-10:40 Coffee Break

10:40-11:20 *Chiral Inorganic Nanostructures*-Nicholas Kotov

11:20-1150 *Recent studies of spin-polarization in chiral molecules and nanoparticles.-* David H. Waldeck

11:50-12:10 *Simulations of charge dynamics in supramolecular fibers.-* Bjoern Baumeier.

12:10-14:00 Lunch

Chairperson: Catalina Achim

14:00-14:40 *Splitting, combining and bifurcating electrons in biomolecules.* - David Beratan.

14:40-15:00 *Sources of SO coupling in chiral molecules and low dimensional structures*-Ernesto Medina

15:00-15:40 *Electric field effect on electron transfer.* Karen Michaeli.

15:40-16:20 *Electronic transport in helicene-based single molecule junctions-*Oren Tal

1620-1700 Discussion

**Wednesday June 27**

Free Morning

Chairperson: Juergen Stohner

13:00-13:40 *Enantiomer aggregation in 2D monolayers: Conglomerate versus racemate formation*- Andy Gellman

13:40-14:00 *Spin-Dependent Electron Transmission Model for Chiral Molecules in Solid-State Nanodevices*- Xu Yang

14:00-14:20 *Mechanical deformations and their influence on the spin-orbit coupling of chiral molecules*-Solmar Varela

14:20-15:00 Coffee Break

15:00-15:20 *Synchrotron Radiation studies of Molecular Bond CISSion*- Richard Rosenberg.

15:20-16:00 *Magnon Dirac Materials*-Jonas Fransson

16:00-16:40 *Spintronics Detection of Interfacial Magnetic Switching in a Paramagnetic Tris(8-hydroxyquinoline)iron(III) Thin Film-* Dali Sun

1640-1700 *Long range spin recognition in enantio specific interactions-* Tzuriel Metzger

17:00-17:30 Discussion

**Thursday June 28**

Chairperson: Karen Michaeli

09:00-09:40 *CISS based spintronics devices.-*Yossi Paltiel

09:40-10:20 *Theory of CISS-*Per Hedegård

10:20-10:40 Discussion

10:40-11:10 Coffee Break

11:10-11:30 *Towards a first-principles understanding of chiral induced spin selectivity-*Carmen Herrmann

11:30-11:50 *Evidence for spin-dependent charge transfer at electrodes using magnetic resonance*- Jean-Philipe Ansermet

11:50-12:10 *Spin filtering by nanotubes functionalized with helical DNA strands*- Sandipan Pramanik

12:10-14:00 **Poster Session**

Free afternoon

**Workshop Dinner**

730 PM “The Village Table”

**Friday June 29**

Free Morning

Chairperson: Andy Gellman

13:00-13:40 *Spin selectivity for enantio-recognition*-Ron Naaman

13:40-14:00 *Spin polarization in helicene: a tight-binding approach*- Matthias Geyer,

14:00- 14:20 *Chiral CuO films on Au generate spin-polarized electrons*-Helmut Zacharias,

14:20-14:40 Discussuon

14:40-15:10 Coffee Break

15:10-15:30 *How to design separation system of enantiomers based on the enantio-specific interactions with magnetic substrates*-Eyal Capua

15:30-15:50 *Investigation of enantio-sensitive adsorption at metal surfaces by means of electronic spectroscopies.* Juan J. de Miguel.

15:50-16:10 *Magnetization of GaAs 2DEG by applying an external electric dipole onto a chiral SAM*-Eilam Smolinsky

1610-1730 Discussion

**Saturday June 30**

Chairperson: Carmen Herrmann

09:00-09:40 *The Thermodynamic Consequences of Zero-field Spin Polarization: In Search of Entropy*-Jim McCusker

09:40-10:00 *Chirality flexibility and control at the molecular and supramolecular level*-

Catalina Achim

10:00-10:30 Coffee Break

10:30-11:10 *Electron Spin Polarization Effects on CP MAS Solid State NMR*-Vladimiro Mujica

11:10-11:30 *Small Chiral Molecules: Useful Species to Study Chiroptical Properties-* Juergen Stohner

11:30-13:00 Discussion