Abrahams Fest
SCHEDULE OF TALKS
Friday, April 20, 2007

8.45        Taxi pick up at University Inn.
9:00        Arrival.

9:15-9:30  Welcome and Introductory Remarks
Charlie Glashausser        Chair, Physics and Astronomy, Rutgers.
David Madigan,             School of Arts and Sciences.
                        Dean for the Mathematical and Physical Sciences

Welcome and Introductory Remarks

9:30-10:00  1. Phil ANDERSON
Marginal Fermi-Liquid”—Exponents, EDC’s tunneling spectra ab-initio.

10:00-10:30 2. Boris Altshuler
Optics of Electric Flows in Graphene
10:30-11:00  COFFEE BREAK

11:00-11:30  3. Chandra Varma
             Deriving Marginal Fermi-liquid: The solution of a Quantum XY-Model

11:30-12:00  4. Joerg Schmalian
             Conductivity anomaly at the Mott transition

12:00-12:30  5. Lev Gorkov
             On the (T,H)- phase diagram of Q2D multi-band superconductors

Lunch – Busch Faculty Dining Hall

2:00-2:30  6. Dieter Vollhardt
             Isosbestic Points and Kinks: Fingerprints of Electronic Correlation

2:30-3:00  7. Steven Kivelson
             Theory of the 2DEG in the clean limit

3:00-3:30  COFFEE BREAK

3:30-4:00  8. David Khmelnikskii
             Crossing of lines of Phase Transitions in Compressible Solids

4:00-4:30  9. Thomas Rosenbaum
             The Quest for Imperfection

4:30-5:00  10. Andy Millis
             Some Elihu-inspired thoughts on high temperature superconductivity

5:30              Taxis pick up at Hill Center.

7:00pm              Evening program is open.
                    You are invited to join a group of us at Cafe Riazor, 245 W. 16th St
                    New York, for Dinner. For those of you who prefer not to descend
                    into the City, New Brunswick has many fine restaurants.
                    Please let Fran Delucia know if you would like to come.

Saturday, April 21, 2007

9:30-10:00  1. Qimiao Si
             Heavy Fermion Quantum Criticality: Fermi Surface and Multiple Energy Scales

10:00-10:30  2. Zachery Fisk
Defects and Quantum Criticality in YbRh2Si2

10:30-11:00 COFFEE BREAK

11:00-11:30 3. David Pines
A tale of two Fluids: from the Kondo Lattice to Underdoped Cuprates

11:30-12:00 4. Sudip Chakravarty
Entanglement

12:00-12:30 5. Igor Dzyaloshinskii
Non-Bose Liquid: a meaningfull Concept?

Lunch: Serin Lab “String Theory Interaction Area” 3rd Floor
Serin Lab

2:00-2:30 6. Douglas Scalapino
The FFLO State and Stripes

2:30-3:00 7. Vladimir Dobrosavljevic
Coulomb-Frustrated Phase Separation in a Magnetically-Doped 2DEG

3:00-3:30 COFFEE BREAK

3:30-4:00 8. Hide Fukuyama
Neutrinos in solids: Distorted Weyl equation for electrons in molecular solids arfa-ET213

4:00-4:30 10. David Langreth
The van der Waals bond via density functional theory

4:30-5:00 11. Allen Miller
Recollections of a Graduate Student of the Late Nineteen Fifties

6:00-7:00 Cocktails: Busch Campus Faculty Dining Hall
7:00-10:00 Banquet: Busch Campus Faculty Dining Hall

Sunday, April 22, 2007

10:00-10:30 Patrick Lee
Quantum Spin Liquid: from drought to deluge

10:30-11:00 COFFEE BREAK

11:00-11:30 Mike Norman
The Nodal Metal in Cuprates- A New State of Matter?
11:30-12:00  Nicole Bontemps
Pseudogap in Cuprates: Electron-hole asymmetry as seen by infrared Spectroscopy.