

Welcome to SCES@60

A workshop on the historical foundations, recent progress, and future prospects of strongly correlated electron systems

<http://conferences.physics.illinois.edu/SCESat60>

University of Illinois at Urbana-Champaign

190 Engineering Sciences Building, 1101 W. Springfield Ave., Urbana, IL

8:30 am SCES: The first 60 years (35 min talks + 10 min disc)

Dale van Harlingen (Illinois): Chair and discussion leader

Gil Lonzarich (Cambridge, UK)

Electron interaction: from Bohm-Pines to Kondo Liquids and High T_c

Jörg Schmalian (Karlsruhe)

Phenomenology, models, theory, and experiment

10:00 am Coffee break

10:30 am Phase Diagrams and Quantum criticality (30 min talks + 10 min disc)

Mike Norman (ANL), Chair and discussion leader

Bob Laughlin (Stanford)

Subir Sachdev (Harvard)

Eduardo Fradkin (Illinois)

12:30 pm Lunch

1:30 – 6:00 Panels on the next 60 years of SCES (mostly disc; panelist up to 5 min pres.)

1:30 – 3:30 **Experiment Panel:** *Laura Greene (Illinois), Chair*

Meigan Aronson (Stony Brook / BNL)

Nick Curro (UC Davis)

Hong Ding (CAS, Beijing)

Zach Fisk (UCI)

Emilia Morosan (Rice)

Joe Thompson (LANL)

Ali Yazdani (Princeton)

3:30 Coffee break

4:00 – 6:00 **Theory Panel:** *Peter Littlewood (ANL), Chair*

Andrey Chubukov (UMN)

Piers Coleman (Rutgers)

Gabi Kotliar (Rutgers)

Tony Leggett (Illinois)

Catherine Pépin (Saclay)

Philip Phillips (Illinois)

Yi-feng Yang (Institute for Physics, Chinese Academy of Sciences)

6:00 pm Adjourn

7:00 pm DP@90 Banquet (Timpone's, 710 S. Goodwin Ave.)