

PHYSICS COLLOQUIUM, partially funded by the GSFEI

GABRIEL AEPPLI
University College London

“DEFECTS-CHALLENGE AND OPPORTUNITY FOR
NANOTECHNOLOGY”

SEMINARS
May 10- 14, 2004

Monday, May 10, 2004

4:00 P.M., Ronald Geballe Auditorium, A-102, PAA
Reception at 3:45 P.M. in the lobby

Abstract: Defects assume progressively larger importance as devices become smaller. The conventional wisdom is that they are disruptive, and are therefore a major challenge for nanotechnology. I show several examples of how defects can actually be seen as devices in their own right, and describe a variety of microscopies which reveal their nature and electrical and magnetic measurements demonstrating their functionality.

Tuesday, May 11, 2004

Particle Theory Seminar
2:30 P.M., Rm. C-421, PAT

Michael Douglas, Rutgers
TBA

Condensed Matter Seminar
4:00 P.M., Rm. C-421, PAT

Gabriel Aeppli, UCL
“BRUTE FORCE APPROACH TO QUANTUM
COMPUTATION”

Science Forum Lecture Series
7:00 P.M., Room 130, Kane Hall

Jamie Morison, Principal Oceanographer, UW Polar Science
Center; Applied Physics Laboratory
“THE CHANGING ARCTIC: EXPLORATION,
TRANSFORMATION AND IMPACTS”

Thursday, May 13, 2004

EPE Seminar
4:00 P.M., Rm. C-471 , PAT

Matt Bowen, UW Physics
“SINGLE-TOP PHYSICS AT THE TEVATRON”

Astronomy Colloquium
4:00 P.M., Ronald Geballe Auditorium,
Rm. A-102, PAA

Monica Azzolini, UW, Division of French and Italian Studies
“THE WISE MAN IS HE WHO RULES OVER THE STARS:
POWER, POLITICS AND THE RENAISSANCE
ASTROLOGER”

Friday, May 14, 2004

Particle Astrophysics Seminar
3:30 P.M., Rm. A-110, PAA

Yosh Shiraishi and Eric Thrane, UW Physics
TBA

Lecture Series
7:00 PM, Ronald Geballe Auditorium
Rm. A-102, PAA

Vladimir Chaloupka, UW Physics
“ART OF FUGUE”