

CONDENSED MATTER THEORY BEYOND THE BASICS

- **6 May**
LECTURE 1
MÖSSBAUER EFFECT

- **8 May**
LECTURE 2
SHOENBERG MAGNETISM

- **13 May**
LECTURE 3
*FACETING OF CRYSTALS, ROUGHENING
TRANSITIONS, CRYSTAL GROWTH
AND MELTING WAVES*

- **15 May**
LECTURE 4
*ORTHOGONALITY CATASTROPHE
AND QUANTUM DIFFUSION
OF IMPURITIES IN METALS*

- **20 May**
LECTURE 5
PHENOMENOLOGY OF MAGNETIC RESONANCE

- **22 May**
LECTURE 6
*BAND TAIL AND SELF-DOPING
OF GAPLESS SEMICONDUCTORS*

- **27 May**
LECTURE 7
*ANDERSON LOCALISATION
AND INTEGER QUANTUM HALL EFFECT*

- **29 May**
LECTURE 8
*COMPOSITE FERMIONS AND FRACTIONAL
QUANTUM HALL EFFECT*