



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS CONDENSED MATTER PROGRAMME 2011

Friday 09 Dec, 2011 - Thursday 22 Dec, 2011

Website: <http://www.icts.res.in/program/upcoming/>

The ICTS Condensed Matter Programme 2011 (ICMP 2011) consists of a 10 day Winter School (December 9 to December 18) followed by a 4 day International Conference (December 19 to December 22), both to be held in IISc. Bangalore. The school will have four lecture courses focusing on the core of modern condensed matter physics, while the conference will feature four days of talks at the very forefront of our subject, delivered by a cross-section of internationally eminent speakers. The school will also feature tutorial lectures, evening colloquia and a few research seminars.

ICMP 2011 Winter School

- *Fermi Liquids and Mott Insulators* by Antoine Georges (Paris).
- *Quantum Impurity Physics* by David Logan (Oxford).
- *Superfluids and Superconductors* by Mohit Randeria (Ohio-State).
- *Phenomenology of novel phases of matter* by T. Senthil (MIT) (*to be confirmed*).

ICMP 2011 Conference

G. Baskaran (IMSc)	R. N. Bhatt (Princeton)	R. C. Budhani (NPL)	J. C. Campuzano (Argonne)
P. Coleman (Rutgers)	C. Dasgupta (IISc)	J. C. Davis (Cornell)	A. Finkelstein (Texas A&M)
A. Georges (Paris)	A. Ghosh (IISc)	M. Z. Hasan (Princeton)	H.R.Krishnamurthy (IISc)
P. Littlewood (Argonne)	D. E. Logan (Oxford)	G. Lonzarich (Cambridge)	K. Maiti (TIFR)
P. Majumdar (HRI)	S. Mandal (IACS)	E. Muller-Hartmann (Köln)	N. P. Ong (Princeton)
G. V. Pai (HRI)	A. Paramekanti (Toronto)	S. Ramakrishnan (TIFR)	S. Ramasesha (IISc)
M. Randeria (OSU)	C. N. R. Rao* (JNCASR)	A. K. Raychaudhuri (SNBC)	P. Raychaudhuri (TIFR)
T. M. Rice (ETH)	D. D. Sarma (IISc)	K. Sengupta (IACS)	T. Senthil (MIT)
R. Shankar (IMSc)	B. S. Shastry (UCSC)	V. B. Shenoy (IISc)	A. K. Sood (IISc)
H. Takagi (Tokyo)	A. Taraphder (IIT KGP)	V. Tripathi (TIFR)	A. Vishwanath (Berkeley)

- To be confirmed.

The ICMP2011 programme solicits applications from interested graduate students and post-docs to fill approximately 50 slots. Local expenses and domestic travel expenses will be covered by ICTS. Those interested should apply for participation to the programme email address ictscmp11@gmail.com as soon as possible, and certainly before October 3 2011.

ICMP 2011 ORGANIZING COMMITTEE

*Ravin Bhatt (Princeton), H. R. Krishnamurthy (IISc), Mohit Randeria (OSU), Vikram Tripathi (TIFR)
Subroto Mukerjee (IISc), N S Vidhyadhiraja (JNCASR), Kedar Damle (TIFR).*