

Schedule of lectures of SERC School on Laser Physics and Technology (Tentative)

Week 1 (March 12 - 17, 2012)

Date	9.30 – 10.25AM	10.30 – 11.25AM		12.00 – 12.55PM		14.00–14.55 PM	15.00-15.55 PM		16.30-17.25 PM	17.30-18.25 PM
12 th	9.30- 10.00 Inauguration 10.00 – 10.25 Tea	Laser Basics (PKG 1)		Laser Basics (PKG 2)		Laser Basics (MPJ 1)	Laser Basics (MPJ2)		Laser Basics (SRS1)	Tutorials/ Interaction
13 th	Laser Basics (MPJ 3)	Laser Basics (PKG 3)	T E A	Laser Basics (PKG 4)	L U N C H	Laser Basics (MPJ 4)	Laser Basics (SRS 2)	T E A	Laser Basics (SRS 3)	Tutorials/ Interaction
14 th	Laser Basics (PKG 5)	Laser Basics (MPJ 5)		Laser Basics (SRS 4)		SCL (SKM 1)	Gas Lasers (SKD 1)		Gas Lasers (SKD 2)	Tutorials/ Interaction
15 th	SCL (SKM 2)	Fiber laser (KT1)		Fiber laser (KT2)		SCL (SKM 3)	Ultra short PL (DNR1)		Ultra short PL (DNR2)	Dr L M Ganthayat Director, Beam Tech. Dev. Group (7-8PM)
16 th	DPSSL (PKM1)	Ultra short PL (DNR3)		DPSSL (PKM2)		Batch –1: (L1). Batch –2: (L2). Batch –3: (L3), Batch –4: (L4). Batch –5: (L5). Batch –6: (L6).Batch –7: (L7). Batch –8: (L8). Batch –9: (L9). Batch –10: (L10)			Dr D D Bhawalkar Director Quantalase (7-8PM)	
17 th	Ultra short PL (DNR4)	DPSSL (PKM3)	DPSSL (PKM4)	Batch –1: (L2). Batch –2: (L3). Batch –3: (L4), Batch –4: (L5). Batch –5: (L6). Batch –6: (L7).Batch –7: (L8). Batch –8: (L9). Batch –9: (L10). Batch –10: (L11)			<i>Nakhrali Dhani</i> <i>for Dinner</i>			
18 th	Sunday									

Lecturers/Speakers

PKG: P K Gupta (RRCAT, Indore)
MPJ: M P Joshi (RRCAT, Indore)
SRS: Sindhil Raja (RRCAT, Indore)
SKD: S K Dixit (RRCAT, Indore)
KT: K Thyagarajan (IIT Delhi)
SKM: S K Mehta (SSPL, New Delhi)
DNR: D N Rao (Univ of Hyderabad)
PKM: P K Mukhopadhyay (RRCAT, Indore)

Subjects/Topics

SCL : Semiconductor Lasers
Ultrashort PL :Ultrashort pulsed lasers
DPSSL: Diode Pumped Solid State Lasers

19 th	Laser Basics 15 (SRS4)	OPO& TL (KDG1)		OPO& TL (KDG2)	L U N C H	Batch –1: (L3). Batch –2: (L4). Batch –3: (L5). Batch –4: (L6). Batch –5:(L7). Batch –6: (L8). Batch –7: (L9). Batch –8: (L10), Batch -9: (L1), Batch-10:(L2)		T E A	Tutorials/ Interaction		
20 th	FEL (KKP 1)	OPO& TL (KDG 3)		OPO& TL (KDG4)		Batch –1: (L4). Batch –2: (L5). Batch –3: (L6). Batch –4: (L7). Batch –5: (L8). Batch –6: (L9). Batch –7: (L10). Batch –8: (L1). Batch –9: (L2), Batch -10:(L3).			Tutorials/ Interaction		
21 st	FEL (KKP 2)	THz (DSR 1)		THz (DSR 2)		Batch –1: (L5). Batch –2: (L6). Batch –3: (L7). Batch –4: (L8). Batch –5: (L9). Batch –6: (L10). Batch –7: (L1). Batch –8: (L2), Batch –9: (L3), Batch -10:(L4).			Dr P D Gupta Director RRCAT (7-8PM)		
22 nd	THz (DSR 3)	Opt TF (NKS1)		Opt TF (NKS2)		Batch –1: (L6). Batch –2: (L7). Batch –3: (L8). Batch –4: (L9). Batch –5: (L10). Batch –6: (L1). Batch –7: (L2). Batch –8: (L3), Batch –9: (L4), Batch -10:(L5).			Tutorials/ Interaction		
23 rd	LMP (SVJ1)	HR spectr (BMS1)		LMP (SVJ2)		Batch –1: (L7). Batch –2: (L8). Batch –3: (L9). Batch –4: (L10), Batch –5: (L1). Batch –6: (L2). Batch –7: (L3). Batch –8: (L4). Batch –9: (L5). Batch –10: (L6).			Prof Kankan Bhattacharya Director IACS (7-8PM)		
24th Saturday											
25th Sunday											
26 th	HR spectr (BMS2)	Spectro CA (BNJ1)		Spectro CA (BNJ2)	L U N C H	Batch –1: (L8). Batch –2: (L9). Batch –3: (L10), Batch –4: (L1). Batch –5: (L2). Batch –6: (L3).Batch –7: (L4). Batch –8: (L5). Batch –9: (L6). Batch –10: (L7).		T E A	Prof Deepak Mathur TIFR (7-8PM)		
27 th	HR spectr (BMS3)	LMP (LMK1)		LMP (LMK2)		Batch –1: (L9). Batch –2: (L10). Batch –3: (L1), Batch –4: (L2). Batch –5: (L3). Batch –6: (L4), Batch –7: (L5). Batch –8: (L6). Batch –9: (L7). Batch –10: (L8).			Dr A Maini Director Lastec (7-8PM)		
28 th	Biophotonics (PKG1)	QO (HR1)		QO (HR2)		Batch –1: (L10), Batch –2: (L1). Batch –3: (L2). Batch –4: (L3), Batch –5: (L4). Batch –6: (L5). Batch –7: (L6). Batch –8: (L7). Batch –9: (L8). Batch –10: (L9).			Tutorials/ Interaction		
29 th	OM (SC)	Biophotonics (PKG2)	TE A	Biophotonics (PKG3)		Visit to synchrotron radiation facility (RRCAT).	T E A		by participants Seminars		Tutorials/ Interaction
30 th	Biophotonics (PKG4)	LI (SRS1)		LI (SRS2)		Seminars by participants			Closing ceremony		

Lecturers/Speakers

KDG : K DasGupta (BARC, Mumbai)
KGM : K G Manohar (BARC, Mumbai)
BMS : B M Suri (BARC, Mumbai)
BNJ :B N Jagtap (BARC, Mumbai)
LMK : L M Kukreja (RRCAT, Indore)
NKS : NK Sahoo (BARC, Mumbai)
DSR : D S Rana (IISER, Bhopal)
LNH : L N Hazra (Calcutta Univ.)
SVJ : S V Joshi (ARCI, Hyderabad)
KKP : K K Pant (RRCAT, Indore)
HR: Hema Ramachandran
SC: Sanjib Chaterjee

Subjects/Topics

OPO & TL : OPO and Tunable Lasers
HR Spectr: High resolution Spectroscopy
THz : THz Generation & Applications
DPSSL : Diode pumped Solid State Lasers
LMP :Laser Materials Processing
LA :Laser Acceleration
LI : Laser Instrumentation
FEL : Free Electron Laser
Opt IF: Optical Thin Films
QO: Quantum Optics
OM: Optical Metrology
OM: Optical Measurements