

DST SERC School on Tokamaks & Magnetized Plasma Fusion

25-Feb to 15-Mar-2013

Time Table

Day – 1 Monday 25 th February, 2013				
09:00-09:30	Registration			
09:30-10:45	Welcome by D Bora and A K Das			
10:45-11:00	High Tea			
11:00-12:15	L-01	R. Ganesh	IPR, Gandhinagar	Basics of Fusion Plasma - 1
12:15-13:30	L-02	A.N. Shekar Iyengar	SINP, Kolkata	Magnetic Confinement in Fusion Devices - 1
13:30-14:30	LUNCH			
14:30-15:45	L-03	R. Ganesh	IPR, Gandhinagar	Basics of Fusion Plasma - 2
15:45-17:30	L-04	A.N. Shekar Iyengar	SINP, Kolkata	Magnetic Confinement in Fusion Devices - 2
17:30-18:00	Tea			
18:00-19:15	SL-01	R Jha(Special Lecture)	IPR, Gandhinagar	<i>About ADITYA Tokamak</i>
19:30-20:30	DINNER			

Day – 2 Tuesday 26 th February, 2013				
09:30-10:45	L-05	R. Ganesh	IPR, Gandhinagar	Basics of Fusion Plasma - 3
10:45-11:00	Tea			
11:00-12:15	L-06	A.N. Shekarlyengar	SINP, Kolkata	Magnetic Confinement in Fusion Devices - 3
12:15-13:30	L-07	A.N. Shekarlyengar	SINP, Kolkata	Magnetic Confinement in Fusion Devices - 4
13:30-14:30	LUNCH			
14:30-15:45	L-08	SudipSengupta	IPR, Gandhinagar	Plasma Simulation -1
15:45-17:30	L-09	Devendra Sharma	IPR, Gandhinagar	Waves and Instabilities in Fusion Plasma -1
17:30-18:00	Tea			
18:00-19:15	SL-02	S Pradhan (Special Lecture)	IPR, Gandhinagar	<i>About SST1 Tokamak</i>
19:30-20:30	DINNER			

Day – 3 Wednesday 27 th February, 2013				
09:30-10:45	L-10	Avinash Khare	University of Delhi	Transport Processes in Plasmas - 1
10:45-11:00	Tea			
11:00-12:15	L-11	R Ganesh	IPR, Gandhinagar	Basics of Fusion Plasma - 4
12:15-13:30	L-12	Avinash Khare	University of Delhi	Transport Processes in Plasmas - 2
13:30-14:30	LUNCH			
14:30-17:30	Aditya, SST-1, RF lab visits			
17:30-18:00	Tea			
18:00-19:15	SL-03	S Deshpande (Special Lecture)	IPR, Gandhinagar	<i>ITER and beyond</i>
19:30-20:30	DINNER			

Day – 4 Thursday 28 th February, 2013				
09:30-10:45	L-13	Avinash Khare	University of Delhi	Transport Processes in Plasmas - 3
10:45-11:00	Tea			

11:00-12:15	L-14	D Raju	IPR, Gandhinagar	Electric and Magnetic Probes - 1
12:15-13:30	L-15	Avinash Khare	University of Delhi	Transport Processes in Plasmas - 4
13:30-14:30	LUNCH			
14:30-15:45	L-16	R Ganesh	IPR, Gandhinagar	Basics of Fusion Plasma - 5
15:45-17:30	L-17	Joydeep Ghosh	IPR, Gandhinagar	Plasma Spectroscopy-1
17:30-18:00	Tea			
18:00-19:15	SL-04	S K Nema (Special Lecture)	IPR, Gandhinagar	<i>Industrial Plasma and its New Application</i>
19:30-20:30	DINNER			

Day – 5 Friday 1st March 2013				
09:30-10:45	L-18	Sudip Sengupta	IPR, Gandhinagar	Plasma Simulation - 2
10:45-11:00	Tea			
11:00-12:15	L-19	Devendra Sharma	IPR, Gandhinagar	Waves and Instabilities in Fusion Plasma -2
12:15-13:30	L-20	D Raju	IPR, Gandhinagar	Electric and Magnetic Probes - 2
13:30-14:30	LUNCH			
14:30-15:45	L-21	Joydeep Ghosh	IPR, Gandhinagar	Plasma Spectroscopy -2
15:45-17.30	L-22	Sudip Sengupta	IPR, Gandhinagar	Plasma Simulation - 3
17:30-18:00	Tea			
18:00-19:15	SL-05	H Bailung (Special Lecture)	IASST, Guwahati	<i>To be announced</i>
19:30-20:30	DINNER			

Day – 6 Monday 4th March 2013				
09:30-10:45	L-21	SudipSengupta	IPR, Gandhinagar	Plasma Simulation - 4
10:45-11:00	Tea			
11:00-12:15	L-22	Devendra Sharma	IPR, Gandhinagar	Waves and Instabilities in Fusion Plasma -3
12:15-13:30	L-23	R. Srinivasan	IPR, Gandhinagar	Fusion Reactor and Power Generation - 1
13:30-14:30	LUNCH			
14:30-17:30	FCIPT Visit			
17:30-18:00	Tea			
18:00-19:15	SL-06	Abhijit Sen (Special Lecture)	IPR, Gandhinagar	<i>Nonlinear Dynamics and their Applications in Plasma Science</i>
19:30-20:30	DINNER			

Day – 7 Tuesday 5th March 2013				
09:30-10:45	L-24	Devendra Sharma	IPR, Gandhinagar	Waves and Instabilities in Fusion Plasma -4
10:45-11:00	Tea			
11:00-12:15	L-25	R. Srinivasan	IPR, Gandhinagar	Fusion Reactor and Power Generation - 2
12:15-13:30	L-26	Surya K. Pathak	IPR, Gandhinagar	RF Diagnostics - 1
13:30-14:30	LUNCH			
14:30-17:30	Hands –on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-07	P I John (Special Lecture)	IPR, Gandhinagar	<i>Active Control of Plasma Processing Devices</i>
19:30-20:30	DINNER			

Day – 8 Wednesday 6 th March 2013				
09:30-10:45	L-29	R. Srinivasan	IPR, Gandhinagar	Fusion Reactor and Power Generation - 3
10:45-11:00	Tea			
11:00-12:15	L-30	Surya K. Pathak	IPR, Gandhinagar	RF Diagnostics - 2
12:15-13:30	L-31	Narayanan Ramesh	IIT Delhi	Heating of plasma - 1
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-08	S Kale (Special Lecture)	BARC, Mumbai	<i>Laser-Plasma</i>
19:30-20:30	DINNER			

Day – 9 Thursday 7 th March 2013				
09:30-10:45	L-32	Narayanan Ramesh	IIT Delhi	Heating of plasma - 2
10:45-11:00	Tea			
11:00-12:15	L-33	Narayanan Ramesh	IIT Delhi	Heating of plasma - 3
12:15-13:30	L-34	C. V. S. Rao	IPR, Gandhinagar	Neutronics and relevance to Fusion - 1
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
19:00-	Cultural Programme			

Day – 10 Friday 8 th March 2013				
09:30-10:45	L-35	Narayanan Ramesh	IIT Delhi	Heating of plasma - 4
10:45-11:00	Tea			
11:00-12:15	L-36	P. M. Raole	IPR, Gandhinagar	Fusion Materials, their choice and development -1
12:15-13:30	L-37	C. V. S. Rao	IPR, Gandhinagar	Neutronics and relevance to Fusion - 2
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-09	P Kaw (Special Lecture)	IPR, Gandhinagar	<i>Laser-Matter Interaction</i>
19:30-20:30	DINNER			

Day – 11 Monday 11 th March 2013				
09:30-10:45	L-38	ParitoshChoudhury	IPR, Gandhinagar	Test Blanket Module – Fundamentals - 1
10:45-11:00	Tea			
11:00-12:15	L-39	ParitoshChoudhury	IPR, Gandhinagar	Test Blanket Module – Fundamentals - 2
12:15-13:30	L-40	P. M. Raole	IPR, Gandhinagar	Fusion Materials, their choice and development -2
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-10	Amita Das (Special Lecture)	IPR, Gandhinagar	<i>Challenges in Plasma Simulation</i>
19:30-20:30	DINNER			

Day – 12 Tuesday 12th March 2013				
09:30-10:45	L-41	P.Sathyamurthy	BARC, Mumbai	TBM – Materials and MHD issues - 1
10:45-11:00	Tea			
11:00-12:15	L-42	P.Sathyamurthy	BARC, Mumbai	TBM – Materials and MHD issues - 2
12:15-13:30	L-43	M. Bandhyopadhyay	IPR, Gandhinagar	NBI Heating of Fusion Plasmas -1
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-11	Rajesh Babu (Special Lecture)	Forensic Univ, Gandhinagar	<i>To be announced later</i>
19:30-20:30	DINNER			

Day – 13 Wednesday 13th March 2013				
09:30-10:45	L-44	P.Sathyamurthy	BARC, Mumbai	TBM – Materials and MHD issues - 3
10:45-11:00	Tea			
11:00-12:15	L-45	P.Sathyamurthy	BARC, Mumbai	TBM – Materials and MHD issues - 4
12:15-13:30	L-46	M. Bandhyopadhyay	IPR, Gandhinagar	NBI Heating of Fusion Plasmas -2
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-12	Special Lecture		<i>To be announced</i>
19:30-20:30	DINNER			

Day – 14 Thursday 14th March 2013				
09:30-10:45	L-47	Sanjay Kulkarni	IPR, Gandhinagar	RF Heating of Fusion Plasmas - 1
10:45-11:00	Tea			
11:00-12:15	L-48	Sameer Khirwadkar	IPR, Gandhinagar	Divertor Concepts - 1
12:15-13:30	L-49	VipulTanna	IPR, Gandhinagar	Cryogenics
13:30-14:30	LUNCH			
14:30-17:30	Hands-on Experiments			
17:30-18:00	Tea			
18:00-19:15	SL-13	Special Lecture		<i>To be announced</i>
19:30-20:30	DIRECTOR'S DINNER			

Day – 15 Thursday 15th March 2013				
09:30-10:45	Participants Poster Session			
10:45-11:00	Tea			
11:00-12:15	L-50	Sameer Khirwadkar	IPR, Gandhinagar	Divertor Concepts - 2
12:15-13:30	L-51	Sanjay Kulkarni	IPR, Gandhinagar	RF Heating of Fusion Plasmas - 2
13:30-14:30	LUNCH			
14:30-17:30	Talk by D Bora and Concluding Session			