

## AIS HOMOTOPY THEORY (SCHEDULE)

VENUE : NAB 1

	10:00-11:30	11:45-1:15	2:45-3:45	4:00-5:00
13/05	A1	B1	C1	Problem Set 1
14/05	B2	A2	C2	Problem Set 2
15/05	A3	B3	C3	Problem Set 3
16/05	B4	A4	C4	Problem Set 4
17/05	A5	B5	Mahuya Datta : Hopf Degree Theorem	
18/05	B6	A6	Tutorial	Tutorial

	10:00-11:30	11:45-1:15	2:30-4:00	4:15-5:15
20/05	F1	D1	E1	S. Prasad
21/05	D2	E2	F2	S. Gondhali
22/05	E3	F3	E4	U. Choudhury
23/05	F4	E5	D3	D. Dasgupta
24/05	E6	D4	F5	G. Mukherjee
25/05	D5	F6	D6	Tutorial

**Topic A** - Vector bundles, K-Theory, characteristics classes.

*Speaker* - Ajay Singh Thakur.

**Topic B** - Cohomology operations, equivariant cohomology.

*Speaker* - Debasis Sen.

**Topic C** – Basic Homotopy Theory.

*Speaker* – Aritra Bhowmick

**Topic D** - Atiyah-Segal completion theorem, equivariant K-theory.

*Speaker* - Somnath Basu.

**Topic E** - Stable homotopy theory, equivariant stable homotopy theory.

*Speaker* - Rekha Santhanam.

**Topic F** - Computations in equivariant homotopy theory including  $\pi_0 S^0 = A(G)$ , Segal conjecture, Sullivan conjecture.

*Speaker* - Samik Basu.