PROGRAMME FOR HOMOTOPY THEORY SYMPOSIUM

About half the time will be devoted to expository series of talks and the remainder devoted to single lectures. The expository talks already arranged are:

D.C. Ravenel	Localisation in stable homotopy theory
J.C. Moore	Unstable homotopy theory
R. Cohen	The Algebraic K-theory of spaces
G. Carlsson	Equivariant homotopy theory and the Segal conjecture
M.J. Hopkins	The nilpotence theorems
H. Miller	The Sullivan conjecture
S.B. Priddy	Modular representations and stable homotopy theory

The remaining talks that have been finalised are:

J.F. Adams	Equivariant analogues of the Adams spectral sequence
D.J. Anick	Computational complexity of homotopy groups.
E.H. Brown	Real Homotopy Type and Continuous Cohomology
K. Knapp	On the Hurewicz map $\pi^S_*(BZ/p^r) \longrightarrow K_1(BZ/p^r)$
C.A. Robinson	The extraordinary derived category

TIMETABLE

We will start with four one-hour lectures each day, but if this seems inappropriate the pattern can be changed. The following is how the above talks will probably be arranged.

	Sat	Sun	Mon.	Tue	Wed
JULY	27	28	29	~~29~~ 30	~~30~~ 31
a.m.	Ravenel Moore	Ravenel Moore	Ravenel Moore	Hopkins Anick	FREE
p.m.	R. Cohen Carlsson	R. Cohen Carlsson	Knapp Carlsson	Robinson Adams	
	Thu.	Fri.	Sat.	Sun.	
AUG.	1	2	3	4	
a.m.	Hopkins Miller	Hopkins Miller	Priddy Miller	Priddy Brown	
p.m.			FREE		

HOMOTOPY THEORY

Monday, 29 July

9.30 - 10.30	D.C.Ravenel	"Localisation and periodicity in homotopy theory III"
Coffee		
11.15 - 12.15	J.C.Moore	"Some aspects of unstable homotopy theory III"
Lunch		
2.30 - 3.30	K.Knapp	"On the Hurewicz map $\pi_*^s(B\mathbb{Z}/p^r) \to K_1(B\mathbb{Z}/p^r)$"
Tea		
4.15 - 5.15	G.Carlsson	"Equivariant stable homotopy and the Segal conjecture III"
5.15 - 6.16	F.Cohen	"The homology of some spaces looped beyond their connectivity"

HOMOTOPY THEORY

Tuesday, 30 July

9.30 - 10.30	M.J.Hopkins	"Nilpotence in stable homotopy theory"
Coffee		
11.15 - 12.15	D.J.Anick	"Computational complexity of homotopy groups"
Lunch		
2.30 - 3.30	C.A.Robinson	"The extraordinary derived category"
Tea		
4.15 - 5.15	J.F.Adams	"A generalisation of the Segal conjecture"
5.15 - 6.16	J.Neisendorfer	"What can be said about the homotopy groups of finite complexes"

HOMOTOPY THEORY

Thursday. 1 August

9.30 - 10.30	M.J.Hopkins	"Nilpotence in stable homotopy theory II"
Coffee		
11.15 - 12.15	H.Miller	"The Sullivan conjecture: Methods and Extensions I"
Lunch		
2.30 - 3.30	S.B.Priddy	"Modular representations and stable homotopy theory I"
Tea		
4.15 - 5.15	J.P.May	"A generalisation of two generalisations of the Segal conjecture"
5.15 - 6.16	M.Mahowald	"The root invariant and v_1 periodicity"

HOMOTOPY THEORY

Friday, 2 August

9.30 - 10.30	M.J.Hopkins	"Nilpotence in stable homotopy theory III"
Coffee		
11.15 - 12.15	H.Miller	"The Sullivan conjecture: Methods and Extensions II"
Lunch		
2.30 - 3.30	S.B.Priddy	"Modular representations and stable homotopy theory II"
Tea		
4.15 - 5.15	J.P.C.Greenlees	"Adams spectral sequences in equivariant topology"
5.15 - 6.15	W.M.Singer	"On the lambda algebra and the homology of symmetric groups"

HOMOTOPY THEORY

Saturday, 3 August

9.30 - 10.30	F.Waldhausen	"Some aspects (and one generalisation
	Coffee	
11.00 - 12.00	J.Lannes	"On the mod 2 cohomology of 2-elementary abelian groups I"
12.00 - 12.45	D.Davis	"The stable homotopy type of stunted projective spaces"
	Lunch	

Afternoon free.

HOMOTOPY THEORY

Sunday, 4 August

9.30 - 10.30	J.Morava	"K theory of ramified fields"
Coffee		
11.15 - 12.15	J.Lannes	"On the mod 2 cohomology of 2-elementary abelian groups II"
Lunch		
2.30 - 3.30	N.Ray	"Fun with MU and BP: a 19th century viewpoint"
Tea		
4.15 - 5.15	N.Kuhn	"Stable splittings and the Morava K-theories of some classifying spaces

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