LMS Durham Symposium on
Vector Bundles in Algebraic Geometry
Thursday 22nd July - Sunday 1st August 1993

ALL LECTURES WILL TAKE PLACE IN CG93

PROGRAMME - FRIDAY 23rd JULY

9.30 a.m.  S.K. Donaldson - Vector Bundles on surfaces and 4-manifold invariants I

10.30 - 11.00 a.m.  COFFEE - Room CM211

11.30 a.m.  K. Zoo - Factorisation of nonrigid Zariski dense representations of \( \pi_1 \) of algebraic varieties.

1.00 p.m.  LUNCH Grey College

3.00 p.m.  K. Ueno - On conformal field theory I

4.00 - 4.30 p.m.  TEA - Room CM211

5.00 p.m.  A. Schofield - Lie algebras from vector bundles on curves.

6.30 p.m.  SHERRY RECEPTION - Junior Common Room

7.00 p.m.  DINNER Grey College

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PROGRAMME - SATURDAY 24th JULY

9.30 a.m.  S.K. Donaldson - Vector Bundles on surfaces and 4-manifold invariants II.

10.30 - 11.00 a.m.  COFFEE - Room CM211

11.30 a.m.  S. Mukai - Brill-Noether theory of stable vector bundles.

1.00 p.m.  LUNCH Grey College

3.00 p.m.  S.B. Bradlow - Stable holomorphic pairs I.

4.00 - 4.30 p.m.  TEA - Room CM211

5.00 p.m.  L.C. Jeffrey - Symplectic geometry and Witten's nonabelian localisation theorem.

7.00 p.m.  DINNER Grey College

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PROGRAMME - SUNDAY 25th JULY

9.30 a.m.  K. Ueno - On conformal field theory II.

10.30 - 11.00 a.m.  COFFEE - Room CM211

11.30 a.m.  J. Le Potier - Faisceaux semi-stables de dimension 1 sur le plan projectif.

1.00 p.m.  LUNCH Grey College

3.00 p.m.  S.B. Bradlow - Stable holomorphic pairs II.

4.00 - 4.30 p.m.  TEA - Room CM211

5.00 p.m.  I.V. Artamonov - On deformation of sheaves on algebraic surfaces.

7.00 p.m.  DINNER Grey College

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PROGRAMME - MONDAY 26th JULY

9.30 a.m.  J. Le Potier - Systèmes cohérents: exemples et applications.

10.30 - 11.00 a.m.  COFFEE - Room CM211

11.30 a.m.  O. Garcia-Prada - Moduli spaces of stable pairs.

1.00 p.m.  LUNCH Grey College

2.00 p.m.  PHOTOGRAPH - Grey College Steps.

3.00 p.m.  K. Hulek - The Horrocks-Mumford bundle I.

4.00 - 4.30 p.m.  TEA - Room CM211

5.00 p.m.  G. D. Daskalopoulos - Degeneration of moduli of vector bundles and stable pairs.

7.00 p.m.  DINNER Grey College

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TUESDAY 27th JULY - All day trip to HOLY ISLAND

(Departing Grey College approximately 9.15 a.m. and arriving back at Grey approximately 6.15 p.m.)

PROGRAMME - WEDNESDAY 28th JULY

9.30 a.m. M.S. Narasimhan - Infinite grassmannians and moduli spaces of principal bundles on curves I.
10.30 - 11.00 a.m. COFFEE - Room CM211
11.30 a.m. R.A. Wentworth - Gromov invariants for holomorphic maps to grassmannians.
1.00 p.m. LUNCH Grey College
3.00 p.m. K. Hulek - The Horrocks-Mumford bundle II.
4.00 - 4.30 p.m. TEA - Room CM211
5.00 p.m. V. Balaji - Picard sheaves and deformation of moduli of pairs.
7.00 p.m. DINNER Grey College

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PROGRAMME - THURSDAY 29th JULY

9.30 a.m. M.S. Narasimhan - Infinite grassmannians and moduli spaces of principal bundles on curves II.
10.30 - 11.00 a.m. COFFEE - Room CM211
11.30 a.m. A.N. Tyrin - On canonical and almost canonical polynomials of an algebraic surface I.
1.00 p.m. LUNCH Grey College
Afternoon: Durham Cathedral - depart Grey College 2.00 p.m.
7.00 p.m. for 7.30 p.m. SPECIAL DINNER Grey College

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PROGRAMME - FRIDAY 30th JULY

9.30 a.m. A.N. Tyrin - On canonical and almost canonical polynomials of an algebraic surface II.
10.30 - 11.00 a.m. COFFEE - Room CM211
11.30 a.m. Z. Ran - Calculus on moduli spaces.
1.00 p.m. LUNCH Grey College
3.00 p.m. G. Ottaviani - Insatuation bundles on P**
4.00 - 4.30 p.m. TEA - Room CM211
5.00 p.m. C. Walter - Irreducible components of the moduli stack of coherent sheaves on P**.
7.00 p.m. DINNER Grey College

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PROGRAMME - SATURDAY 31st JULY

9.30 a.m. A.D. King - Tilting bundles on rational surfaces.
10.30 - 11.00 a.m. COFFEE - Room CM211
11.30 a.m. To be arranged
1.00 p.m. LUNCH Grey College
3.00 p.m. J.-M. Drezet - Exceptional bundles and moduli spaces of stable sheaves on P**.
4.00 - 4.30 p.m. TEA - Room CM211
5.00 p.m. To be arranged
7.00 p.m. DINNER Grey College

End of Programme.