a significant and unique contribution.

Michael J.A. O'Callaghan

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BRITISH MATHEMATICAL COLLOQUIUM

The 37th British Mathematical Colloquium will be held in the University of Cambridge on 2nd, 3rd and 4th April 1985. The principal speakers will be D. Zagier (Bonn), C.L. Feffermann (Princeton), and M. Gromov (Paris).

Speakers from the U.K. include T.O. Hawkes, E.C. Lance, M. Rees, A.D. Gardiner, C.R. Leedham-Green, K.J. Falconer, R.A. Bailey, W. Parry, D.B.A. Epstein, B. Birch, J.M. Hammersley, M. Paterson, R. Brown, J.S. Pym and C. Hooley.

There will be a discussion of Information Technology presented by C.A.R. Hoare, F.R.S., and a display of Computer-Aided Teaching of Applied Mathematics.

The registration fee is £12 for those paying their bill in full by January 31st, 1985; thereafter the fee is £18. For research students of no more than 3 years standing these amounts are halved. The cost of accomodation and meals for the full period is £108.

Application forms and further information are available from the Colloquium secretary, Dr R.C. Mason, Department of Pure Mathematics and Mathematical Statistics, 16 Mill Lane, Cambridge CB2 1SB.

REPRESENTATIONS OF ALGEBRAS

There will be a Symposium on Representations of Algebras at Durham University from 15 July to 25 July 1985. Principal lecturers will be J.L. Alperin (Chicago), M. Auslander (Brandeis), D.J. Benson (Northwestern), P. Gabriel (Zurich), H. Knörrer (Bonn), H. Kraft (Basel), C.M. Ringel (Bielefeld), A.V. Roiter (Kiev).

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The meeting is being organised by S. Brenner, M.C.R. Butler and P.J. Webb under the auspices of the LMS and the SERC.

Further particulars are available from Dr S. Brenner, A.M.T.P., The University of Liverpool, P.O. Box 147, Liverpool L69 3BX.

TEACHING MATHEMATICAL MODELLING

The Second International Conference of the Teaching of Mathematical Modelling will be held at Exeter University from 16 July to 19 July, 1985.

The aim of this conference is to provide a forum to discuss how applications can play a vital part in the teaching of mathematics. Mathematics is used extensively in many diverse areas, and this has been reflected to a certain extent in what mathematics we teach and how we teach it. The Conference will bring together those interested in the use of application of mathematics in teaching and will be organised under the following themes: (a) experience with modelling courses, (b) the role of case studies in maths teaching, (c) the impact of micros and (d) methodology.

Further details may be obtained from: Ms S. Williams, Conference Secretary, University of Exeter, School of Education, St Lukes, Exeter. Telephone: 0392-76311 (Ext. 275).

HOMOTOPICAL ALGEBRA

There has recently been particular interest among algebraic topologists in such areas such as abstract homotopy theory, algebraic models of homotopy types and coherence questions. These areas are also attracting interest from topos theorists and category theorists, with a view to application in other areas such as algebraic geometry.

The aim of the Workshop is to bring together workers with interest in this common ground, for lectures and discussions and to allow for participants to learn something of material related to their own major interests.

The workshop will take place at University College of North Wales, Bangor, from 21 July to 26 July, 1985.   This date has been chosen because it immediately follows a Category Theory Meeting at the Isle of Thorns, Sussex (for further information contact C.J. Mulvey) and precedes a Durham Symposium on Homotopy Theory (limited numbers, but if interested contact J.D.S. Jones of Warwick University).

The concerns of the Workshop are the following areas and their relationships: Algebraic Homotopy Theory, Homotopy Coherence, Algebraic Models of Homotopy Types, Cohomological Methods, Rational Homotopy Theory, Topos and Sheaf Theory.

Talks at the Workshop will be restricted to those relevant to the main themes. It is expected that discussions will take place on the extensive manuscript of Grothendieck which concerns the area of the Workshop.

Partial support is expected from the London Mathematical Society. For further information contact: Dr T. Porter, Department of Pure Mathematics, University College of North Wales, Bangor, Gwynedd LL57 2UW.

COMBINATORIAL CONFERENCE

The tenth British Combinatorial Conference will be held in the University of Glasgow during the week 22 July to 26 July 1985. The conference is organised jointly by the Mathematics department and the British Combinatorial Committee, and it receives financial support from the London Mathematical Society and the British Council.

The following lectures have been arranged: G. Andrews (*Combinatorics and Ramanujan's 'Lost' Notebook*). J. Beck (*Irregularities of point distributions - a theory on the border of combinatorics, number theory and geometry*). H.J. Beker (*Cryptography*). G.R. Grimmett (*Flows through random networks*). A.J. Hoffman (*On greedy algorithms that work*). J.H. van Lint (*[0,1*] - distance problems in combinatorics*). C. St. J.A. Nash-Williams (*Detachments of graphs and general-ised Euler trails*). P.D. Seymour (*Graph minors - a survey*). J.L. Tits (*Finite incidence geometries with Coxeter diagrams of affine type*).

There will be special sessions for contributed talks, covering all aspects of combinatorics.

Booking forms and further information can be obtained from the local organiser of the conference: Dr Ian Anderson, Department of Mathematics, University of Glasgow, Glasgow G12 8QW.

GROUPS

This conference is sponsored by the Edinburgh Mathematical Society and the London Mathematical Society and will be held in St Andrews, Scotland, from 27 July to 10 August 1985. During the week 27 July to 3 August the following speakers will each give a course of lectures: Professor S. Bachmuth (California), Professor G. Baumslag (New York), Dr P.M. Neumann (Oxford), Dr J.E. Roseblade (Cambridge), Professor J. Tits (Paris). During the week 3-10 August there will be a prog-ramme of seminars and invited lectures by other conference participants.

Information and application forms from Dr C. M. Campbell and Dr E.F. Robertson, Mathematical Institute, University of St Andrews, North Haugh, St Andrews, Fife KY16 9SS, Scotland.

PROTEXT II CONFERENCE

The Second International Conference
on Text Processing Systems

23 - 25 October 1985

and the related event

PROTEXT II

SHORT COURSE

An Introduction to
Text Processing Systems:
Current Problems and Solutions

21 - 22 October 1985

Both events will be held at

BERKELEY COURT HOTEL, DUBLIN, IRELAND

CONFERENCE: 23 - 25 OCTOBER 1985

The conference provides a forum for the discussion of the latest research on computer-aided generalised text processing systems. It is intended that participation will be evenly divided between academia and industry, and an even balance will be maintained between hardware and software topics. Several formal discussions on controversial issues of current interest will be organised. The Proceedings of the Confer-ence will be published in book form within two months of the conference. An idea of the scope of the conference may be obtained from the contents of the PROTEXT I Conference Proc-eedings.

SHORT COURSE: 21 - 22 OCTOBER 1985

This is a carefully coordinated introduction to computer-aided generalised text processing systems. It is intended both for the beginner, who has little previous knowledge of

the subject, and also for the experienced person who wishes to broaden his knowledge into new areas. The scope of the short course will be the same as that of the Conference, but it will be at an introductory level. The Lecture Notes will be published in book form in advance of the short course.

CALL FOR PAPERS

Abstracts of contributed papers on topics relevant to the Conference should be submitted to the Organising Committee by 1st June 1985. Notification of acceptance will be mailed by 1st July. Abstracts should be at most one A4-page in length. For information, contact PROTEXT II Organising Committee, c/o Boole Press Limited, P.O. Box 5, 51 Sandycove Road, Dun Laoghaire, Co. Dublin.

PSYCHOMETRICS AND CLASSIFICATION

The Fourth European Meeting of the Psychometric Society and the Classification Societies will be held jointly from Tuesday 2nd to Friday 5th July 1985 in Cambridge, England.

Papers on psychometrics and classification are invited for this meeting. Suitable topics include:

Latent trait models, Factor analysis, Structural models, Scaling, Measurement theory, Correspondence analysis, Hierarchical and non-hierarchical classifications, Taxonomy and cladistics, Pattern recognition, Comparison of classifications, Data analysis, etc., etc.

Titles, preferably with abstracts, should be sent together with a completed form to the address below.

Accommodation and meals will be provided at Queen's College, and the sessions will take place in University lecture theatres nearby. The conference will assemble during the afternoon/evening of Tuesday 2nd July, and will close with

lunch on Friday 5th July.

All correspondence should be sent to:

> Dr Ian Nimmo-Smith,
> MRC Applied Psychology Unit,
> 15 Chaucer Road,
> Cambridge CB2 2EF,
> United Kingdom.

GROUPS IN GALWAY

This conference will take place on 10th and 11th May, 1985 at University College, Galway. The speakers will include Dr D. MacHale (University College, Cork), Dr T. Murphy (Trinity College, Dublin), Prof. T. Laffey (University College, Dublin) and Prof. S. Tobin (University College, Galway).

Those who wish to present short communications are asked to get in contact with Dr R. Dark (Mathematics Department, University College, Galway) from whom further details are available.