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0521021081 - The Renaissance of General Relativity and Cosmology

George Ellis, Antonio Lanza and John Miller

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The past forty years have been a time of spectacular development in the study of general relativity and cosmology. A special role in this has been played by the influential research groups led by Dennis Sciama in Cambridge, Oxford and Trieste. In April 1992 many of his ex-students and collaborators came to Trieste (where he is currently Professor) for a review meeting to celebrate his 65th birthday. This book consists of written versions of the talks presented which, taken together, comprise an authoritative overview of developments which have taken place during his career to date. The topics covered include fundamental questions in general relativity and cosmology, black holes, active galactic nuclei, galactic structure, dark matter and large scale structure. The authors are: M. A. Abramowicz, A. M. Anile, J. D. Barrow, J. J. Binney, B. J. Carr, B. Carter, C. J. S. Clarke, N. Dallaporta, G. F. R. Ellis, F. de Felice, G. W. Gibbons, B. J. T. Jones, S. W. Hawking, M. A. H. MacCallum, J. C. Miller, R. Penrose, D. J. Raine, M. J. Rees, V. Romano, W. C. Saslaw, D. W. Sciama and K. P. Tod.

The book will be of interest to graduate students and researchers in cosmology, relativity, astronomy, astrophysics, theoretical physics and applied mathematics.

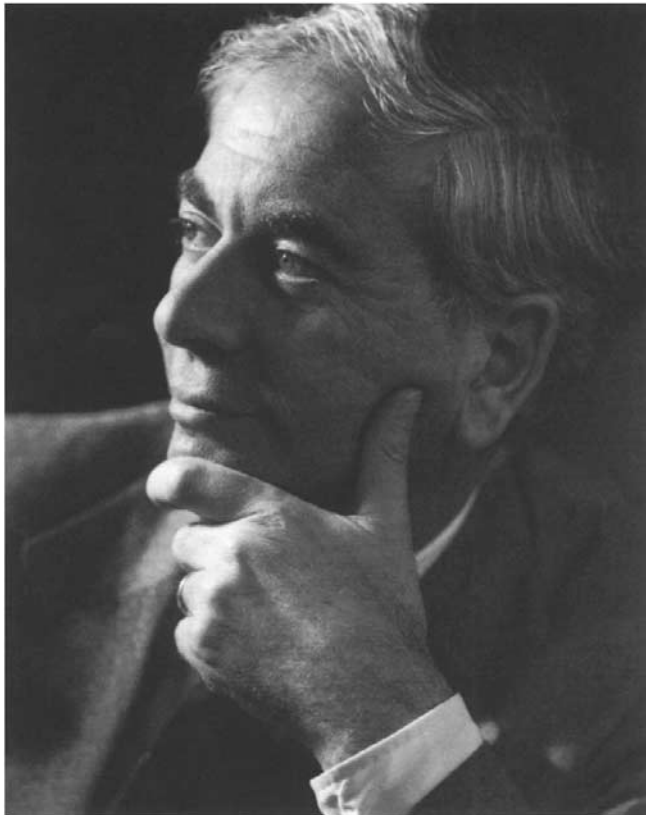
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# **The Renaissance of General Relativity and Cosmology**

**A Survey to Celebrate the 65th Birthday of Dennis Sciama**

GEORGE ELLIS  
*SISSA, Trieste, and University of Cape Town*

ANTONIO LANZA  
*SISSA, Trieste*

JOHN MILLER  
*Osservatorio Astronomico di Trieste*

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## Author Addresses

**Marek A. Abramowicz:** Nordisk Institut for Teoretisk Fysik, Blegdamsvej 17, 2100 København, Denmark and International Centre for Theoretical Physics, Strada Costiera 11, 34014 Trieste, Italy.

**A. Marcello Anile and Vittorio Romano:** Dipartimento di Matematica, Università di Catania, Viale Andrea Doria 6, 95125 Catania, Italy.

**John D. Barrow:** Astronomy Centre, University of Sussex, Brighton BN1 9QH, U.K.

**James J. Binney:** Department of Physics, University of Oxford, Keble Road, Oxford OX1 3NP, U.K.

**Bernard J. Carr:** Astronomy Unit, Queen Mary and Westfield College, University of London, Mile End Road, London E1 4NS, U.K.

**Brandon Carter:** Département d'Astrophysique Relativiste et de Cosmologie, C.N.R.S., Observatoire de Paris, 92 Meudon, France.

**Christopher J.S. Clarke:** Faculty of Mathematical Studies, University of Southampton, Southampton SO9 5NH, U.K.

**Nicolò Dallaporta:** Dipartimento di Astronomia, Università di Padova, Vicolo dell'Osservatorio, 35122 Padova, Italy.

**Fernando de Felice:** Istituto di Fisica Matematica *J.-L. Lagrange*, Università di Torino, Via C. Alberto 10, 10123 Torino, Italy.

**George F.R. Ellis:** Department of Applied Mathematics, University of Cape Town, Rondebosch 7700, Cape Town, South Africa and S.I.S.S.A., Via Beirut 2-4, 34013 Trieste, Italy.

**Gary W. Gibbons:** Department of Applied Mathematics and Theoretical Physics, University of Cambridge, U.K.

**Bernard J.T. Jones:** Niels Bohr Institute, Blegdamsvej 17, 2100 København, Denmark.



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x *Author Addresses*

**Stephen W. Hawking:** Department of Applied Mathematics and Theoretical Physics, University of Cambridge, U.K.

**Malcom A.H. MacCallum:** School of Mathematical Sciences Queen Mary and Westfield College, University of London Mile End Road, London E1 4NS, U.K.

**John C. Miller:** Osservatorio Astronomico di Trieste, Via Tiepolo 11, 34131 Trieste, Italy.

**Roger Penrose:** Mathematical Institute, University of Oxford, St. Giles, Oxford, U.K.

**Derek J. Raine:** Department of Physics and Astronomy, University of Leicester, Leicester LE1 7RH, U.K.

**Martin J. Rees:** Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge, U.K.

**William C. Saslaw:** Astronomy Department, University of Virginia; National Radio Astronomy Observatory, Charlottesville, Virginia and Institute of Astronomy, Cambridge, U.K.

**Dennis W. Sciama:** S.I.S.S.A., Via Beirut 2-4, 34013 Trieste, Italy.

**K. Paul Tod:** Mathematical Institute and St John's College, Oxford, U.K.