Applications are invited for the Chair of Mathematical Statistics within the School of Mathematics and Statistics. Applicants should possess an established international reputation in Statistics or Probability. The successful candidate will be expected to play a leading role in both research and teaching in the School and so will be expected to possess an outstanding record in both. He or she will be expected to provide leadership in Statistics and to advance links with the wider University community.

The School of Mathematics and Statistics is a large and diverse School with research strengths in many areas of mathematics and statistics. The current areas of research in Statistics and Probability within the School are in asymptotic approximations and limit theorems, applied probability, non-parametric methods, biological models and time series. The School also has interests in Financial Mathematics and Bioinformatics.

The School offers a large and varied undergraduate and postgraduate program and has a long-standing involvement in mathematical computing and computer-based teaching. It has a large computer network including more than 100 workstations for undergraduate teaching.

Experience in academic leadership, planning and innovation are required. The ability to work effectively with colleagues and to carry out administrative duties, including that of Head of School at some future time, and excellent written and oral communication in English, are essential.

The position is full-time continuing, subject to the completion of a satisfactory probation and or/confirmation period for new appointees. It is expected that the appointee will begin duties on, or as soon as possible after 1 July 2005. Membership of a University approved superannuation scheme is a condition of employment for new appointees. For further enquiries about the position and for a copy of the information brochure please contact Professor J. Robinson, Mathematical Statistics, on (+61 2) 9351 3194, e-mail: J.Robinson@maths.usyd.edu.au or Associate Professor Don Taylor, Head, School of Mathematics and Statistics, on (+61 2) 9351 4533, fax (+61 2) 9036 9267 or e-mail: hos@maths.usyd.edu.au

An attractive remuneration package commensurate with the responsibilities of the position will be offered. This comprises AUD$138,775 p.a. (which includes a base salary Professor Level E AUD$117,688 p.a., leave loading and up to 17% employer’s contribution to superannuation). An expense of office allowance, which is paid against expenses, is also available. Any additional benefits would be subject to negotiation.


Ten copies of the application, including curriculum vitae, full list of publications and the names, addresses and fax numbers of five referees should be lodged with Personnel Services, College of Sciences and Technology, Carslaw Building F07, University of Sydney, NSW 2006, Australia.

The University is a non-smoking workplace and is committed to the policies and principles of equal employment opportunity and cultural diversity. The University reserves the right not to proceed with any appointment for financial or other reasons.

Further information about the University can be found at http://www.usyd.edu.au/, from which there are links to the College of Sciences and Technology, the Faculty of Science and the School of Mathematics and Statistics: http://www.maths.usyd.edu.au/.
Conditions of Appointment

The following special conditions apply in respect of this appointment:

1. The title of the person appointed will be Professor of Mathematical Statistics.

2. In accordance with Section 25 of the Resolutions of Senate, the Professor, in respect of the field of the appointment, shall be responsible for initiating proposals for courses of study, for supervising and participating in teaching and examining and for promoting advanced study and research.

3. The Head of the School of Mathematics and Statistics will be appointed by the Vice-Chancellor in accordance with Section 24 of the Resolutions of Senate, which states:

   Where there is not already a Head of Department or School by terms of appointment, the Vice-Chancellor shall, after consultation with the Dean of the Faculty or chairperson of the College Board, the Professors and the Associate Professors of the Department or School, appoint or reappoint a Head of the Department or School for a period not exceeding fours years and, except where in the Vice-Chancellor’s opinion there are special circumstances, from among the Professors and Associate Professors.

There is no Head of the School of Mathematics and Statistics by terms of appointment.

The successful candidate will possess:

- Outstanding scholarship and research of international standing in a particular field of knowledge or professional or creative activity with a breadth of interests and a sympathy for other research interests represented in the Department;
- Evidence of an ability to take an active role in the maintenance of academic standards and in the development of educational policy and or curriculum areas within the discipline;
- A strong commitment to the importance of teaching at all levels and to innovation in curriculum design and teaching methods; together with a distinguished personal contribution to teaching;
- Vision and enthusiasm, demonstrated ability to provide leadership in fostering excellence in scholarship, in promoting research and in encouraging, and developing research training;
- Good management skills, a willingness and ability to perform high level administrative tasks, to provide leadership in policy development in a discipline and to represent the School’s interests within the University and the wider community.

Selection Criteria for the Professor of Mathematical Statistics

Essential:

- Established international reputation in Statistics or Probability
- Demonstrated record of research excellence
- Record of successful research leadership
- Demonstrated record of leadership in teaching and high level of teaching skills
- High level of communication and interpersonal skills
- Demonstrated management and administrative skills
- Ability to co-operate with cognate fields and to enhance research links with other groups in Australia and overseas
Information for Candidates

The University:

The University of Sydney, founded in 1850, is Australia’s first university. Over the past 150 years, the University has built an international reputation for its outstanding teaching and as a centre of research excellence.

As one of Australia’s leading universities, the University of Sydney is a key member of the Group of Eight of Australia’s major research intensive universities and the Association of Pacific Rim Universities (APRU).

For the past four years, Sydney has led the nation in winning competitive funding from the Australian Research Council (ARC). The University has nine of the Federal government’s 49 prestigious Federation Fellowships and performs strongly in research conducted collaboratively with industry.

The academic year runs from the end of February to the middle of November. It is divided into two semesters with a winter break from mid-June to mid-July.

The School:

The School of Mathematics and Statistics was formed in 1991 from the former departments of Pure Mathematics, Applied Mathematics and Mathematical Statistics. It is now one of the largest mathematics schools in Australia and pursues a vigorous program of teaching, scholarship and research. The School pursues the highest standards of academic achievement.

Teaching:

The School offers three-year undergraduate programs in Pure Mathematics, Applied Mathematics and Mathematical Statistics with a common first year. Well over 2000 students enrol in various units at the first-year level and some 300 students graduate in mathematics or statistics each year. The School also offers a fourth (Honours) year program in each of Applied Mathematics, Pure Mathematics and Mathematical Statistics. Each Honours program consists of both advanced coursework and an essay/project under the supervision of a member of staff.

A considerable amount of teaching is computer based and the School offers six teaching laboratories equipped with X-terminals linked to servers and provided with a wide range of mathematical software, some developed in the School.

The School is committed to excellence in teaching. Six of its staff have received University Excellence in Teaching Awards since their inception in 1989. Members of staff have been successful applicants for University and national teaching grants. The School instituted the Sydney University Tertiary Mathematics Education Group (SUTMEG) whose activities include each year two day-long seminars devoted to teaching issues. These seminars attract mathematicians from throughout Sydney as well as visitors from outside the Sydney region.

Research:

The School expects all its staff to be active in research and/or scholarship. It provides all the facilities of a well-established and progressive research institution, including a mathematics library and access to the research computing network which supports a number of high-speed processors and colour graphics systems.

The School has a flourishing community of graduate students in all areas of mathematics and statistics.
The School hosts regular seminars, workshops and conferences and supports a large visitor program.

Research is organized into four major Research Groups, Applied Mathematics, Non-linear Mathematics, Mathematical Statistics and Pure Mathematics. Each group contains scholars of international standing and attracts support from competitive research grants.

Further information on the School, on publications and research interests can be found at the School web site: http://www.usyd.edu.au/

**Current Academic Personnel (Statistics section):**

Professor: John Robinson;
Emeritus Professor: Eugene Seneta;
Associate Professors: Malcolm Quine, Neville C Weber;
Senior Lecturers: Dr Shelton Peiris, Mary C Phipps;
Lecturers: Dr Howard J M D’Abrera, Dr Marc Raimondo, Dr Paul F. Slade, Dr Michael Stewart, Dr Qiying Wang;
Visiting Professors: Prof Richard Cowan, Prof Nick Fisher;
Research Students: Faisal Ababneh, Al Merrifield, Devindri Perera, Annie Tjetjep.