Australian Acoustical Society
Queensland Division

ACOUSTICS AWARDS 2010

R J Hooker Bursary

THE BURSARY

The Australian Acoustical Society, Queensland Division conducts an educational awards program to encourage and support education and research in acoustics in Queensland. The Division seeks applications for the RJ Hooker Bursary.

The bursary is offered for a proposed 4th year undergraduate or 1st year postgraduate acoustical research project conducted with substantial industrial participation. This may take the form of a "professional placement" or it may be through the use of acoustical test facilities in industry for purposes critical to project outcomes. Where "professional placement" is involved, applicants will need to work full or part-time in industry, with the experience, project work and report counted towards their overall academic assessment.

A bursary of **$1500.00** in cash will be awarded to the successful applicant.

The award is granted at the discretion of the Queensland Division Awards Committee.

THE SOCIETY

The Australian Acoustical Society is a learned society formed in 1971 to promote and advance the science and practice of acoustics. Members practise or study acoustics in a wide range of areas including architectural acoustics, engineering noise and vibration control, underwater acoustics, bioacoustics, ultrasonics, environmental and occupational noise management, acoustical and vibration transducers, speech communication, hearing and speech physiology, audiology and music acoustics.

Australian Acoustical Society
ABN 28 000 712 658
Queensland Division
PO Box 760
Spring Hill Qld 4004

HOW TO ENTER

The RJ Hooker Bursary is awarded for research projects conducted with substantial industrial participation. This may take the form of a "professional placement" or it may be through the use of acoustical test facilities[1] in industry for purposes critical to project outcomes.

1. A Project Proposal should be submitted as follows:

   (a) The project proposal should be a typed submission of not less than 600 words and not exceeding 1200 words. Diagrams or figures may accompany the submission.

   (b) The submission shall clearly state:

   i The *Title* of the proposed project;

   ii Name(s) and contact addresses for the applicant(s);

   iii The names and contact addresses of the project supervisors (industrial and academic) and the industrial sponsor[2];

   iv The professional placement program in the context of which the proposed project will be undertaken[2]; or

   v The nature and location of the acoustical test facilities offered by industry, for project purposes and the use to which they are to be put[4].

   vi The *Timing* of the proposed project[5]; (5%)

   vii The *Aim and Objectives* of the proposed project[6]; (10%)

   viii Proposed *Methodology*[7]; (15%)

   ix *Innovations* expected to be demonstrated in the project[8]. (15%)

   x The *Value and Practical Application* of the project to acoustics[9]. (35%)

   The numbers in brackets reflect the nominal component weighting's used in assessing submissions. In addition to the above, a nominal component weighting of 20% will be assigned to *clarity of content and general presentation*.

   Where the work is part of an ongoing project, the submission will be assessed solely on the basis of those project components to which the current proposal relates.

2. Submissions shall be made through the responsible supervisor who will first review the submissions for their worthiness prior to forwarding to the Awards Committee.

3. Submissions close **5.00 pm**, **Friday**, **29th October 2010**.

4. The Awards Committee will review the submissions and select the most outstanding proposal.

   (a) Where there are several suitable submissions, the Committee, at its discretion, may elect to split the Bursary.

   (b) Where no proposal fully satisfies the criteria described in 1(b), but where a project is considered to be otherwise worthy of support, the Committee, at its discretion, may award the Bursary. However in such circumstances, the amount of the award may be reduced.

   In all such cases, the decision of the Awards Committee shall be final.

5. The winner of the Bursary is expected to make a short (20 - 30 minutes) presentation of the results at project completion (or if part of a postgraduate program, at a suitable point in the overall project). Presentations are normally made at a Division Technical Meeting during the following year.

NOTES:

1. For purposes of this award, "acoustical test facilities" include dedicated test facilities such as anechoic or reverberation rooms, transmission-loss suites, in-duct insertion loss test rigs and the like. Acoustical test facilities may also include, equipment and instrumentation suitable for field measurement of acoustical or vibration parameters, provided that:
   (a) provision of access to such equipment and instrumentation is necessary to the achievement of the research aims and objectives; and,
   (b) field work involving the use of such items is also necessary to the research and is likely to comprise a substantial part of the overall acoustical experience generated by the project.
2. (a) Contact details shall include the applicant's address for written correspondence (c/o the relevant school office is sufficient) and student email address (i.e. email contact address at the university).
   Where the project would involve more than one applicant, the submission must make clear the role and responsibility of each in relation to the overall project.
   (b) Contact details shall include supervisors' addresses (postal and email) and phone numbers.
   Projects which are eligible for this award must involve an industrial and an academic supervisor. The submission shall state their roles and responsibilities.
   The industrial supervisor will normally be a staff member of the industrial organisation sponsoring the professional placement or providing acoustical test facilities. The academic supervisor shall be a member of the faculty under whose auspices the project is to be undertaken. For other supervisors (e.g. industrial or academic supervisors external to the organisations immediately involved) affiliations shall be stated.
3. It is envisaged that projects conducted within the framework of programs such as University of Queensland's Professional Engineering Placement Scholarship (PEPS), the CEED scheme and Griffith University's Environmental Engineering Industry Program (EIP), would be suitable.
4. Details should include:
   (a) A full description of the facilities, including associated test instrumentation as relevant;
   (b) The proposed project purpose for which the facilities are required.
   (c) Their location:
      i for fixed facilities, postal and street address;
      ii where field equipment and instrumentation is involved, the project submission should include details of the test area(s), location(s) or situation(s) in which these are to be used.

   N.B. When in receipt of an application involving use of such test facilities, the Committee may require additional evidence to be provided (including for example, an inspection) in order to ascertain that the facilities offered are appropriate for the proposed use.
5. Projects should be structured so that the work can be completed within the award period (normally one year). (See Note 6).
6. If the submission relates to a postgraduate project or part thereof, the submission should clearly define the objectives and scope of the project within the overall research program. (NB: the award will normally be granted only for those project components to be undertaken during the first year of a postgraduate program).
7. Where existing methodologies are to be used, these should be nominated. Areas where the project is likely to require development of new methods and techniques should be described.
8. Projects will be judged on their originality and their potential to require practical innovation on the part of the applicant(s).
9. The value of the project to acoustics will be assessed based on factors such as the likelihood of:
   - successful completion within the nominated timeframe;
   - practical application of the research outcomes (including in an ongoing research program);
   - publication in recognised acoustic fora. (For example, at the annual conference of the Australian Acoustical Society, in other conference proceedings, in Acoustics Australia or other journal of record).

   Favourable consideration will be given to projects which involve ongoing practical collaboration between industry and the university concerned.

ADDRESS FOR CORRESPONDENCE

Submissions should be forwarded to:

Acoustics Awards 2010
RJ Hooker Bursary
Australian Acoustical Society, Queensland Division
PO Box 760
SPRING HILL, QLD 4004