

RAY MEYER MEDAL FOR EXCELLENCE IN STUDENT DESIGN 2012

Professor Ray Meyer DistFIPENZ was President of IPENZ in 1982–1983 and Dean of the School of Engineering at the University of Auckland from 1971–1974 and 1978–1992. Throughout his career he was actively involved in design and commercialisation of research. He has held and holds positions on the governing boards of a number of companies in all of which excellence in engineering is essential to their business. He was awarded the ONZM for his contributions to engineering and education. This award is named in recognition of his achievements and seeks to encourage a new generation of innovative engineering designers.

The Ray Meyer Medal for Excellence in Student Design is awarded to the student or group of students presenting the best final-year project with a substantial design component as part of an IPENZ-accredited qualification, determined against the following criteria:

- Performance against the learning outcomes set out in the academic requirements of the designated paper.
- Clear specification of requirements and constraints.
- Identification and preliminary evaluation of potential solutions.
- Detailed technical analysis of one or more preferred options.
- Detailed evaluation of a preferred solution against the requirements and constraints.
- Consideration of social, environmental and economic impacts.
- Quality of presentation and its communication of ideas.

Beyond these formal criteria the judges will be looking for innovation in design solutions, recognising that design is essentially a creative activity. The criteria do not carry equal weight.

The award is open to all fields of engineering in which IPENZ accredits qualifications. Design-based projects are not only undertaken in subjects labelled Design Project but may also be found in some final-year Research Projects where the object is to design, build and demonstrate a new or improved device. There is no cost to enter this award.

The award consists of a medal and certificate presented at the annual IPENZ Fellows' and Achievers' Dinner held in March following adjudication of the entries received at the end of the previous academic year in December. The winners and the nominator will be assisted in meeting reasonable travel costs within New Zealand to attend the presentation.

Winners will be publicised to the IPENZ Membership and the media.

Entries close 5.00pm Friday 9 December 2011.

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CONDITIONS OF ENTRY

- a. Each entry must be nominated by an academic who is a Member of IPENZ.
- b. Nominators must be one of the following:
 - dean or programme director or equivalent
 - programme leader in an engineering discipline
 - the paper co-ordinator for the project being submitted.
- c. The students involved must be current Student Members of IPENZ and must be studying engineering at undergraduate level. Students can apply for Membership online at www.ipenz.org.nz/ipenz/join/joinstudent.cfm Student Membership is free.
- d. The entry must be a project that was submitted to a tertiary institution as part of the final-year requirements for an IPENZ-accredited qualification in 2011.
- e. Each entry is to be accompanied by a statement from the nominator on how the project meets the judging criteria for the award (maximum of 750 words).
- f. A maximum of five entries in total and preferably no more than two entries per engineering discipline can be put forward from any tertiary provider.
- g. IPENZ reserves the right to arrange nominations.
- h. The judging panel have the discretion not to make an award if, in their view, no entry is of sufficient quality.
- i. The judges' decision is final and no correspondence will be entered into.
- j. All applications for the Ray Meyer Medal for Excellence in Student Design must be received by **5.00pm Friday 9 December 2011**.

ENTRIES TO INCLUDE

- a. Completed entry form.
- b. Five copies of all documentation.
- c. Statement from the nominator of how the project fulfils the criteria.
- d. Development or design project as submitted to the tertiary institution for assessment.
- e. Statement of academic requirements and learning outcomes in the paper for which the project was submitted.
- f. Photograph of project team suitable for use in publicity material. Any electronic photos must be 300dpi and placed on a CD clearly labelled with entrant/s names, tertiary institution and project name.
- g. Photograph of nominator suitable for use in publicity material. Any electronic photos must be 300dpi and placed on a CD clearly labelled with the nominators name, tertiary institution and project name.

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ENTRY FORM (PLEASE PRINT CLEARLY)

Entries must be received by 5.00pm Friday 9 December 2011

Please complete the following and send five copies of the entry form and supporting documentation you wish to have considered, to IPENZ via post or courier:

Postal Address:		Courier Address:	
Ray Meyer Medal 2012 IPENZ National Office PO Box 12 241 Thorndon Wellington 6144		Ray Meyer Medal 2012 IPENZ National Office Ground Floor 158 The Terrace Wellington 6011	
Nominator			
IPENZ Membership Number			
Tertiary Institution			
Degree/diploma			
Project name			
Student/Team Names as to appear on certificate/medal	IPENZ Membership number/s	Email Address	Phone number
Contact person for project			
Postal address			
Email			
Phone			
Fax			

Yes, I would like this entry returned

Please tick if applicable. One copy will be retained for IPENZ's records.

On behalf of the project team I authorise the project, our name(s) and photo supplied and taken on the night to be used for publicity purposes

Name (please print) _____

Signature _____

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