

The Barry Inglis Medal

Value of the award: \$2 000

Important dates:

Closing date for nominations: 5 pm AEST, 30 April 2014

Announcement of award: 20 May 2014

Scope

The **Barry Inglis Medal** is an annual award that acknowledges and celebrates outstanding achievement in measurement research and/or excellence in practical measurements by an individual (or group) in the fields of academia, research or industry in Australia. This achievement may be in the form of a single major contribution or a body of work developed throughout a career.

The medal is named in honour of Dr Barry Inglis, the inaugural CEO and Chief Metrologist of Australia's National Measurement Institute (NMI) which was set up in 2004. Prior to taking up this position, Dr Inglis was the Director of the former National Measurement Laboratory within CSIRO.

Measurement is both a technique and a process that underpins much of life as we know it but is often taken for granted. As an enabling technology, measurement provides the foundation for progress and advancement of human society.

With the increasing advance of science and technology, Lord Kelvin's words are even more pertinent today than when they were first espoused: *'When you can measure what you are speaking about and express it in numbers, you know something about it; but when you cannot measure it, when you cannot express it in numbers, your knowledge is of a meagre and unsatisfactory kind: it may be the beginning of knowledge but you have scarcely in your thoughts, advanced to the stage of science.'*

However, the relevance of measurement is broader than direct applications in science and technology; it underpins decisions in economics and politics and often is the foundation for innovation in many other areas.

NMI believes that it is only by recognising and celebrating achievements in measurement that this important infra-technology will be adequately acknowledged.

Eligibility criteria

Eligible applicants are individuals who, or groups that have made a highly significant contribution to the science of measurement, or have long-standing eminence in the field of measurement and its application and practice, or have provided exceptional leadership in the field of measurement, or have demonstrated a combination of any of the above criteria.

Excellence in measurement may include but is not restricted to:

- *Novel applications of measurement techniques to resolution of industrial 'problems'*

Applying measurement techniques to resolve 'problems' in industry may sometimes require a multi-faceted approach encompassing techniques that cross the traditional boundaries of science and engineering to provide industrial measurement solutions.

- *Research in measurement techniques*
Research and/or application of research in measurement techniques that improve the uncertainty of measurement. Such research may sometimes involve application of a multi-disciplinary approach to provide improvements in the way a measurement is taken or the accuracy of measurement.
- *Leadership role in measurement fields*
Leadership at the national, regional or international level in a discipline or activity that involves application of measurement science. It would involve a peer-assessed acknowledgment of the contribution by the individual to measurement activities in the international or regional arena.

Terms and conditions of nomination

1. The nominee must either be Australian or the activity for which the nomination is based must be, or have been, conducted in Australia.
2. If the nominee is a group, the principal investigator responsible for the activity must be Australian or the activity must have been conducted in Australia.
3. Information provided in the Nomination Form may be used for publicity/promotional purposes.
4. Employees of the National Measurement Institute and their immediate family members are not eligible to be nominated for this award.
5. The winner must be prepared to travel and attend a presentation ceremony to accept the award. The ceremony may either be on World Metrology Day itself or on a future date to be confirmed. Travel within Australia and other associated costs for the presentation ceremony will be met by the National Measurement Institute.
6. Posthumous awarding of the medal will only be made under exceptional circumstances.

How to nominate

A completed Nomination Form together with supporting documentation must be lodged by 5 pm AEST of the closing date for entries. The preferred mode of lodgement is via e-mail (communications@measurement.gov.au). Please ensure that the information provided in the Nomination Form is accurate, up-to-date and complete as no changes will be entertained once the form has been submitted.

Supporting documentation shall consist of:

- a. a brief description of the activity, including its aims/objectives and results to date (two pages maximum).
- b. a brief explanation of how the activity represents excellence in measurement by addressing the eligibility criteria above (two pages maximum).
- c. a maximum of three independent assessments from people familiar with the nomination, commenting on how the submission represents excellence in measurement by addressing the eligibility criteria above (one page maximum for each assessor). Note: Judges will be relying upon assessor's comments to provide additional depth and perspective on the nomination.

If further clarification of the above information is needed, please contact communications@measurement.gov.au.