

Railway Technical Society of Australasia (RTSA)

2023 Railway Master Thesis Award

Application Form



The Railway Master Thesis Award will be awarded by Engineers Australia's Railway Technical Society of Australasia (RTSA) to the author of an outstanding research masters on a topic concerned with the railway industry.

If an award is made for a Master Thesis, the recipient shall receive a prize comprising a payment of AUD3,000 or NZD equivalent; one complimentary CORE Conference registration plus travel and accommodation; complimentary RTSA membership for one year and a framed certificate. At its discretion the Awards Sub-Committee may make up to three awards in any one year.

Any winner of the award will be expected to attend to receive the prize at a suitable University function or RTSA Chapter meeting.

AWARD CONDITIONS

To be eligible for the above award the following conditions apply:

- The work reported in the thesis shall have been undertaken in Australia or New Zealand by an author for a Research Masters thesis completed during either 2020, 2021 or 2022. The thesis can be about any topic concerned with the rail industry.
- The RTSA Awards Sub-Committee will judge theses nominated and, provided a suitable nomination is received, the award may be made each year.
- Nominations for the 2023 Railway Master Thesis Award will close on **Friday, 2 December 2022**. Nominations must be submitted online at <https://aeea.engineersaustralia.org.au/rtsa-masters-thesis-award/> by the above closing date. The application form is also available from the RTSA website at www.rtsa.com.au.
- The nominated author must have been primarily responsible for the preparation of the thesis and, this, along with the thesis meeting the university's requirements for completion of the award of the degree, shall be confirmed in writing by the thesis supervisor at the student's university.
- The nomination requires the approval of the author and thesis supervisor at the student's University and shall be accompanied by a 200 word abstract together with an electronic copy (pdf format) of the thesis.
- In addition to the 200-word abstract, the nomination shall also be accompanied by a written statement of up to 500 words, also approved by the thesis supervisor and which addresses each of the six Judging Criteria that can be found at the foot of page 2 of 2. This written statement will be used as part of the process of review that will be used to select the successful candidate.
- Award Winners are strongly encouraged to submit abstract on their thesis at CORE 2023, Melbourne in June 2023 (date to be confirmed). Award Winners will be notified by the RTSA Awards Sub-Committee in late March 2023.
- The author shall also agree that the RTSA may publish any abstract for which a prize is awarded and use details of the award in any RTSA or related publications.



RAILWAY TECHNICAL SOCIETY of AUSTRALASIA

The RTSA is a joint technical society of Engineers Australia and Engineering New Zealand



2023 Railway Master Thesis Award Application Form (continued)

- All students making an application, and their respective supervisors, shall agree to accept as final the decision of the RTSA Awards Sub-Committee as to whether the project is deemed to be a railway engineering project; whether or not any award is made; and that no correspondence shall be entered into. Students shall also agree that the RTSA Awards Sub-Committee may make inquiries of their University regarding the thesis.
- Applicants shall advise any change of contact details which may occur between the time of their sub-mission and receipt of final advice on judging or award of prizes.

JUDGING CRITERIA

To assist candidates to assemble appropriate information for the consideration of the judging panel, listed below are details of the judging criteria (equally weighted) that are used as part of the process of evaluation of nominations:

- Detail and accuracy of problem definition.
- Level of literature review, referencing and the use of related published work in the field.
- Degree of innovation on problem solution and contribution to knowledge of railways.
- Level of experimental work, modeling and/or simulation.
- Applicability of research to current railway-related problems.
- Peer reviewed publications in outstanding journals in the related field and/or presentations in railway- related conferences.

APPLICATIONS

Applications for the 2023 Railway Master Thesis Award will close **Friday, 22 December 2022**

The application shall submit online at <https://aeea.engineersaustralia.org.au/rtsa-masters-thesis-award/> and accompanied by:

- a copy of the nominee's current CV;
- abstract (approx 200 words) of the thesis;
- a full copy of the thesis;
- a written statement of up to 500 words, also approved by the thesis supervisor and which addresses each of the six Judging Criteria. This written statement will be used as part of the process of review that will be used to select the successful candidate.
- thesis supervisor, head of school, or Dean contact details and reference;
- official mark awarded by the University for this thesis (if you do not have access to this at the time of submission, you can provide this at a later date);
- 100 words biography and headshot (Should the nomination be successful; your photo and biography may be used for promotion).

If you have any questions, Please contact:

Program Manager - Awards

Engineers Australia

P: +61 3 9321 1791

E: awards@engineersaustralia.org.au