Entry Guidelines for the FY2024 Maeda Engineering Awards

The Maeda Engineering Foundation

■ The Maeda Engineering Awards

Purpose

To recognize doctoral dissertations (theses) that show outstanding merit in academic, social, and practical aspects, thereby promoting fundamental research and contributing to the development of young researchers in Japan.

Eligibility

Entries are restricted to dissertations presented for doctoral degrees awarded at graduate schools in Japan during the past three years (FY2020–2022: from April 1, 2020 through March 31, 2023) and submitted for the first time as award entries to the Foundation.

Number of winners

One individual in each of the fields of civil engineering, architecture and building engineering, and i-construction

Prize details

Each winner will be awarded a certificate of commendation and a monetary prize of 2 million yen.

■ The Yamada Kazuie Awards

Purpose

To recognize doctoral dissertations (theses) marked by high novelty, creativity, and practical potential, thereby promoting fundamental research and contributing to the development of young researchers in Japan.

Eligibility

Same as for the Maeda Engineering Awards

Number of winners

Commonly, two individuals in each of the fields of civil engineering, architecture and building engineering, and i-construction

Prize details

Each winner will be awarded a certificate of commendation and a monetary prize of 1 million yen.

Scope of technologies included in the new i-construction field (beginning in FY2021)

This field includes construction technologies that apply information and telecommunications technologies to contribute to the advancement and increased reliability of the construction industry and encourage innovations related to national land, local communities, cities, and architecture, throughout the life cycle from planning to design, construction, maintenance, and operation of the social infrastructure and architectural structures.

Specific examples of technologies:

① Planning: Project planning, project simulation, etc.

② Design: Planning tools, virtual reality (VR), augmented reality (AR), mixed reality (MR), substitutional reality (SR), building information modeling (BIM), construction information modeling (CIM), etc.

③ Construction: Construction planning and management; sensing and monitoring; automation, robotics, and mechanization; power assistance; unmanned aerial vehicles (UAV); cyber-physical system (CPS); 5G; etc.

④ Maintenance and operations:

Project information management; facility maintenance and operations management; facility management (FM); etc.

⑤ Infrastructure/Architecture DX:

Smart City, Society 5.0, Smart Energy Management; etc.

Application procedures

Both the Maeda Engineering Awards and the Yamada Kazuie Awards use the same application form and procedures.

Applying for each award

Applicants will enter as candidates for the Maeda Engineering Awards. From these entries, the selection committee will comprehensively examine dissertations and choose the winners of the Maeda Engineering Awards and the Yamada Kazuie Awards.

Application form

① Download the Foundation's designated application form (MS Word file) from the Maeda Engineering Awards page on the Foundation website (https://www.maedakksz.or.jp/prize/).

② After completing the designated application form (MS Word file), convert the Word file to a PDF file and upload both files using the web application system described below. Do not configure the PDF file with a password or other security settings. Make sure the file size does not exceed 5 MB.

Use the following file name format: "award_(name).pdf"

Example 1: award_HanakoMAEDA.pdf, Example 2: award_IchiroYAMADA.pdf

Other documents to be submitted below. (Please prepare in advance. *:required items)

A) *Doctoral dissertation (full-text PDF) (The dissertation will be reviewed mainly in the secondary review. Use the following file name format: "A_Dissertation_(name).pdf") The file size that can be uploaded is up to 100MB. If it's larger than that, reduce the file size.

B) *Content summary of the doctoral dissertation submitted for which a doctoral degree was awarded. (File name format: "B_Summary_(name).pdf")

C) Summary of the dissertation review (Obtain from your graduate school or chief reviewer and submit, if possible. File name format: "C_Review_(name).pdf")

D) *Academic CV (List briefly on one or several A4 sheet(s). Do not submit a full copy of the publications. File name format: "D_CV_(name).pdf")

E) *Diploma (copy reduced in size to fit A4 sheet. File name format: "E_Diploma_(name).pdf")

F) Other reference materials (Submit the minimum of materials required. File name format: "F_Reference_(name).pdf")

G) *MS Word file for the designated application form. (file name format: "G_award_(name).docx")

In addition to the application form and documents to be submitted, please enter the following information in the web application system (Graain).

・researchmap member ID or other researcher ID ((Example: "ORCID iD:xxxx-xxxx-xxxx-xxxx")

・Notes on application (secretariat contact column)

How to apply

Primary review:

Submit your application via the web application system (Graain) on the Maeda Engineering Awards page on the Foundation website. The PDF version of the designated application form will serve as the official copy. The MS Word file used to prepare the PDF file is also requested to submit.

➢ Incomplete documents may be ineligible for review.。

➢ The primary review entails a review of the designated application form (PDF) and submitted documents B–F as mentioned above. The doctoral dissertation will be referred to as necessary to confirm information provided in the designated application form.

Secondary review:

Applicants who pass the primary review will be selected and notified by December 31, 2023. The secondary review will focus on the doctoral dissertation. Depending on the content of the dissertation, you may be asked to submit the dissertation in bound form. (The bound dissertation will be returned after the review.)

Application period

Applications must be received (i.e., registration using the web application system must be completed) during the period from August 21, through 12:00 on October 6, 2023.

Selection of winners

Decisions will be made by the board of directors following review by the selection committee composed of the judges listed below.

Applicants cannot be awarded both the Maeda Engineering Award and the Yamada Kazuie Award.

Each applicant will be notified of the decision regarding his or her application by March 31, 2024.

Name	Status
Atsushi KOIZUMI	Emeritus Professor, Waseda University
Hidenobu JINNAI	Professor Emeritus, Hosei University

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