

RONG YU WAN PH.D. DISSERTATION SCHOLARSHIP AWARD IN METALLURGICAL ENGINEERING

Guidelines & Procedures

BACKGROUND

Dr. Rong Yu Wan (1932-2009) was an internationally renowned metallurgist and 22-year member of SME. During her career, Dr. Wan not only made many important contributions in the field of metallurgical engineering but also tirelessly mentored many young scientists and students. The Rong Yu Wan Ph.D. Dissertation Scholarship Award was created by SME in 2014 as a tribute to Dr. Wan's life and work.

Dr. Wan received her B.S. degree in chemical engineering in 1952 from Chiao Tung University in Shanghai, China. She subsequently worked as a process engineer and a research scientist in mining and metallurgy during China's industrial reconstruction. In 1980, at the age of 48, Dr. Wan came to the United States to pursue her graduate study at the University of Utah, where she received her Ph.D. in metallurgy and metallurgical engineering in 1984. Most of her professional career in the United States was with Newmont Mining Corp., where she was Newmont's chief research scientist of hydrometallurgy and directed many research and development projects, from basic research through pilot plant studies to commissioning and operation. In 2000, Dr. Wan was inducted into the National Academy of Engineering "for accomplishments in metallurgical research and industrial practice, and for teaching, supervising and inspiring students, researchers and industrial colleagues." She was the first to be elected to the National Academies among the millions of mainland Chinese students and scholars who have come to the United States since the late 1970s. Included among Dr. Wan's many awards and honors are the SME Antoine M. Gaudin Award.

OVERVIEW

The Rong Yu Wan Ph.D. Dissertation Scholarship Award will be presented annually to a recent Ph.D. recipient for outstanding dissertation research in the general area of metallurgical engineering (that is, mineral processing, hydrometallurgy or extractive metallurgy, etc.). Ph.D. recipients who have completed all their degree requirements (including submission of the final dissertation) within the previous 12 months of the nomination deadline are eligible. The major criterion for the scholarship award is the impact or potential impact of the research on the field of mining and metallurgical engineering.

The recipient will receive a monetary prize, a certificate and an invitation to deliver an invited paper on the dissertation topic at SME's Annual Conference & Expo. The recipient will be announced in *Mining Engineering* magazine.

The initial announcement of the scholarship award was made at the 2014 SME Annual Conference & Expo. The scholarship award was first administered by the SME Foundation. Administration was officially transferred to the Mineral & Metallurgical Processing Division (MPD) Executive Committee in 2016.

TIMELINE

The Rong Yu Wan Ph.D. Dissertation Scholarship Award adheres to the following timeline:

Date	Task
September 1 - October 15	Applications accepted
October 1	Application initiation deadline – (Note: All applications should be initiated by this date to allow plenty of time for receipt of letters of recommendation prior to the October 15 deadline.)
October 15	Application deadline
December 1	Selection deadline
December 2	Applicant notification
December 15	Check(s) mailed
SME Annual Conference & Expo	Recipient(s) are recognized at a Mineral & Metallurgical Processing Division event

APPLICANT QUALIFICATIONS

Rong Yu Wan Ph.D. Dissertation Scholarship Award applicants must meet the following criteria:

1. Have completed all of their Ph.D. degree requirements (including the defense and approval of the final dissertation) within the previous 12 months of the nomination deadline. (If the deadline is August 31, then the period would be from September 1 of the previous year to August 31).
2. Be an SME student member in good standing.
3. Attend a school that is [ABET](#) accredited and/or has an [SME student chapter](#).
4. Demonstrate a desire for and a probability of success in a career in metallurgical engineering.

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APPLICATION REQUIREMENTS	Rong Yu Wan Ph.D. Dissertation Scholarship Award applications must be submitted online via SME's scholarship portal smenet.org/students/grants-scholarships. The online application requires the following information: 1. Nomination letter from the candidate's research advisor(s). 2. One to three supporting letters from the department chair, other members of the thesis committee or other scientists familiar with the research. 3. Resume detailing past education and work experience. 4. A separate list of papers published and submitted, and presentations made related to the dissertation. 5. A five-page extended summary of the dissertation that discusses the context for the dissertation, the major findings and their significance. 6. A PDF copy of the candidate's dissertation. 7. Copy of most recent transcript (unofficial copy is permitted).
SCHOLARSHIP	During the years that the scholarship is awarded, the total amount of the Rong Yu Wan Ph.D. Dissertation Scholarship Award will be determined annually and will be no more than 5% of its endowment fund's rolling three-year average balance. The current scholarship amount is \$2,500. The recipient and the dissertation advisor will be invited to attend the SME Annual Conference & Expo to be recognized during an MPD event.
RECIPIENT SELECTION	Selection of scholarship recipients is at the discretion of the Minerals & Metallurgical Processing Division Scholarship Committee. Each nominated dissertation will be evaluated by at least two reviewers selected by the Committee.
QUESTIONS	Questions may be directed to: SME Scholarship Coordinator at scholarships@smenet.org or SME Member Services Department 303-948-4200