

Objectives and activities

Our objectives are to contribute to the mutual exchange and advancement of science and technology related to ceramics, to support awards for young researchers and engineers who have made outstanding achievements, and to contribute to the development of international exchange among Japan, the U.S., and Asia. Our activities are:

1. Organizing research presentations and seminars on ceramics
2. Nominating Fulrath Award candidates for the Japan side
3. Reviewing the contents of the Fulrath Award application documents and sending them to the U.S. committee
4. Organizing or supporting lectures/celebrations of the Fulrath Award winners
5. Selecting and awarding the Kiyoshi Okazaki Award winners
6. Selecting and awarding the Kiyoshi Okazaki Achievement Award winners
7. Supporting celebrations/lectures of the Kiyoshi Okazaki Award and Kiyoshi Okazaki Achievement Award winners
8. Other activities necessary to achieve the objectives of this memorial association.

Officers and advisors

Officers

President	Yuichi Ikuhara (University of Tokyo)
Vice President	Yoshihiko Imanaka (Sophia University)
Auditor	Yuji Akimoto (Shoei Chemical Inc.) Yuzo Shimada (Japan Jisso Technology Transfer Association)

Advisors

Honorary Advisors	Noboru Ichinose (Waseda University) Takaaki Tsurumi (Tokyo Institute of Technology)
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Supporting members

Murata Manufacturing Co., Ltd. / Shoei Chemical Inc. /
TDK Corporation / Taiyo Yuden Co., Ltd. /
Sakai Chemical Industry Co., Ltd. /
Semiconductor Energy Laboratory Co., Ltd. /
KYOCERA Corporation / Niterro Co., Ltd. / AGC Inc.
Tosoh Corporation / TOHO TITANIUM CO., LTD.

Members

1. Regular members

The winners of the Fulrath Award, the Fulrath Pacific Award, the Richard M. Fulrath Award, the Kiyoshi Okazaki Award, or the Kiyoshi Okazaki Achievement Award, who have paid lifetime membership and a few members assigned from supporting members.

2. Supporting members

Corporations that are aligned with the objectives of the association and, as a rule, have paid more than two units of the annual membership fee (¥100,000 per unit).

3. Honorary members

Individuals and corporations who have contributed to the development of the Fulrath Award, the Fulrath Pacific Award, the Richard M. Fulrath Award, the Kiyoshi Okazaki Award, or the Kiyoshi Okazaki Achievement Award, and they are recommended by the Board of Directors and appointed by the President.



The
**FULRATH
OKAZAKI**
Memorial Association

The Fulrath Okazaki memorial association

Fulrath Okazaki Memorial Association Secretariat

2-11-16, Yayoi, Bunkyo-ku, Tokyo 113-8656
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For information on joining the association, please contact the address above.



Greetings

At the General Meeting of the Fulrath Okazaki Memorial Association held in June 2023, I was honored to be appointed as the President of the memorial association. On this occasion, I would like to extend my greetings.

The Fulrath Okazaki Memorial Association was established with the aim of recognizing researchers and engineers in the field of ceramics and activating industry-academic collaboration between Japan and the United States, starting from the interaction between Professor Richard M. Fulrath and Professor Kiyoshi Okazaki. Ceramics play a crucial role in various fields such as social infrastructure, environment, energy, information technology, and beyond, encompassing both electronic ceramics and engineering ceramics. Additionally, the internationalization of the ceramics field, particularly the exchange between Japan and the United States, is expected to further expand. With this background, the role played by this memorial association is becoming increasingly important.

The Fulrath Award is presented annually, with one academic sector and two industrial sector recipients from the Japanese side, and one academic sector and one industrial sector recipient from the U.S. side. The award is bestowed upon young researchers and engineers who have contributed to the advancement of academia and the development of industry in both academic and industrial sectors.

This award distinguishes its status as an official international award from the American Ceramic Society. The fact that the industry category is given slightly more weight in the number of awards reflects the importance of manufacturing in the ceramics industry and the importance of industry-academia collaborative research between Japan and the United States. The Kiyoshi Okazaki Award, on the other hand, is awarded to an individual or a group of individuals who have made outstanding achievements in research, technology development, and manufacture/production in the field of electronic ceramics, and is complementary to the Fulrath Award.

In addition to the awarding of the Fulrath Award and the Kiyoshi Okazaki Award, the memorial association will further advance strong collaboration with the American Ceramics Society. This includes hosting discussions with related researchers and engineers from Japan and the United States, organizing symposiums primarily featuring lectures by awardees, inviting awardees from the United States, conducting visits to universities and companies, promoting joint research between Japan and the United States, and enhancing cooperation with the Ceramic Society of Japan.

Above all, we are committed to further advancing our memorial association and making significant contributions, particularly in promoting and disseminating ceramics research between Japan and the United States. We sincerely request the continued support and guidance of all our members and supporting members. Furthermore, we would greatly appreciate the support of companies that share our mission by becoming supporting members.

Overview

The Richard M. Fulrath Award, named in honor of Professor Richard M. Fulrath, is a recognition program established by the American Ceramic Society. Every year, it is presented to three young ceramic researchers from Japan and two from the United States. Professor Fulrath, who was a professor at the University of California, Berkeley, passed away at the young age of 52 due to illness on July 16, 1977. In memory of Professor Fulrath, who had developed close relationships with Japanese researchers through multiple visits to Japan, a commemorative event was held at the Matsuya Salon in Tokyo on November 11 of the same year, attended by more than 40 people. Inspired by this event, 113 individuals from Japan came together to establish the precursor to our organization, known as the Fulrath Memorial Association. At the time, Professor Kiyoshi Okazaki, a professor at the National Defense Academy of Japan, had particularly deep ties with Professor Fulrath. Professor Okazaki played a central role in the establishment of the memorial association and served as its first president. Unfortunately, Professor Okazaki passed away on March 11, 1997. After graduating from Kyoto University, Professor Okazaki dedicated over 50 years of his life to the research of ferroelectric ceramics, leaving behind numerous remarkable contributions in the form of research papers and books. In recognition of his achievements, in 2004, the Fulrath Memorial Association was renamed the Fulrath Okazaki Memorial Association. Simultaneously, the Okazaki Kiyoshi Award and the Okazaki Kiyoshi Achievement Award were established in his honor.

The Fulrath Okazaki Memorial Association's membership consists of approximately 130 past recipients of the Fulrath Award, the Okazaki Kiyoshi Award, and the Okazaki Kiyoshi Achievement Award, who are classified as regular members. Additionally, the membership includes supporting members (corporate entities) who provide support for the memorial association's activities, as well as honorary members who have made significant contributions to the memorial association's development. The primary objectives of our organization are to promote mutual exchange and advancement in the field of ceramic science and technology, support the recognition of outstanding young researchers and engineers, and contribute to the development of international exchange among Japan, the United States, and Asia.

Professor Richard M. Fulrath (1924 ~ 1977)

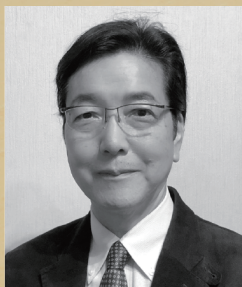


Professor Fulrath mainly studied the mechanical, physical, and electrical properties of ceramics. His research achievements include research on the fundamentals of processing to obtain electronic ceramics with good properties. He was both a great researcher and an outstanding educator. He also served as the vice president of the American Ceramics Society as well as the chairman of the Northern California branch and the chairman of the nuclear section of the same society.

Professor Kiyoshi Okazaki (1924 ~ 1997)



Professor Okazaki was the editorial secretary of the Barium Titanate Practical Application Study Group, a member of the steering committee for the 1st to 6th Ferroelectric Conferences, the chairman of the organizing committee for the 1st and 2nd Japan-US Seminars on Dielectric and Piezoelectric Ceramics, the vice chairman of the 3rd Japan-Soviet Ferroelectric Symposium, and the president of the Fulrath Memorial Association, and hosted various other group meeting, contributing greatly to the development of this field. He has also published many books on ceramic electronic materials, including his representative book, "Ceramic Engineering for Dielectrics " and "Exercises in Electrical Materials Engineering."



Fulrath Okazaki Memorial Association
Yuichi Ikuhara, President

Application Guidelines for Richard M. Fulrath Award

The Fulrath Award was established in 1978 to commemorate the late Professor Fulrath from the University of California, Berkeley, who made significant contributions to the exchange of ceramic science and engineering technology between the United States and Japan. In recent years, the Northern California Section of the American Ceramic Society has taken the lead in collaboration with the Fulrath Memorial Association in Japan, handling candidate selection and symposium organization. However, on the occasion of the 20th anniversary, the American Ceramic Society, the Japan Ceramic Society, and the Fulrath-Okazaki Memorial Association have joined forces to select candidates and conduct the award ceremony and symposium at the annual meeting of the American Ceramic Society. The award is presented to a total of five individuals, with two recipients from the United States and three from Japan. From the U.S., one recipient is selected from the academic sector, and one from the industrial sector. From Japan, one recipient is selected from the academic sector, and two from the industrial sector. Recipients in the academic field are also awarded a supplementary prize of \$2,000 for travel expenses. To nominate candidates from Japan, the following procedure is followed: candidates are publicly solicited, and applicants are required to submit recommendation letters to the Fulrath-Okazaki Memorial Association. After the content is verified, the Association compiles and sends the recommendations to the selection committee in the United States. Recommendation letters are valid for five years if the candidate is under the age of 45.

Schedule

Call for applications	July 1st - November 30th of each year
Awardees decided	Around May of the following year
Award Ceremony	Banquet venue for the American Ceramic Society's annual meeting around October of the following year
Commemorative lecture	Richard M. Fulrath Award Session at MS&T (the annual meeting of the above society)



Eligibility

【Academic sector 】

- 1) Young researchers and engineers aged 45 or under (until the day before the award date in the United States) belonging to universities and public research institutes who have conducted outstanding research in the science and engineering of ceramics and have made significant contributions to academic progress and industrial development.
- 2) The applicant is not asked whether the candidate has received any awards in the past.

【Industrial sector 】

- 1) Young researchers and engineers aged 45 or under (until the day before the award date in the United States) belonging to companies who have conducted outstanding research in the science and engineering of ceramics and have made significant contributions to academic progress and industrial development.
- 2) The applicant is not asked whether the candidate has received any awards in the past.



Nominators

- 1) Member of the Fulrath Okazaki Memorial Association
- 2) Branch chairpersons, section chairpersons, and directors of the Ceramics Society of Japan



Period for accepting nominations

July 1st - November 30th of each year

※Please download the application form from the website.
<http://www.fokinen.com/user/oubo.html>

Application Guidelines for Kiyoshi Okazaki Award

The Fulrath Okazaki Memorial Association established the "Kiyoshi Okazaki Award" and began awarding it in 2006. The Kiyoshi Okazaki Award recognizes an individual or a group of researchers or engineers who play a central role in the research, development, and production of electronic ceramics, and who have achieved exceptional results in research, development, and production, in order to steadily carry on and further develop the will of the late Professor Kiyoshi Okazaki (former professor at the National Defense Academy, former professor at Shonan Institute of Technology), who made significant contributions to the development of the field of electronic ceramics engineering in Japan. The selection process for the Kiyoshi Okazaki Award is carried out by the Kiyoshi Okazaki Award Selection Committee, which consists of academic experts and people with experience in industry, and each year no more than three winners are selected. In the selection process, not only the number of papers presented, but also original ideas and technologies for developing new products on-site are considered important. The selection process for the Kiyoshi Okazaki Award is carried out by the Kiyoshi Okazaki Award Selection Committee, which consists of academic experts and people with experience in industry, and each year no more than three candidates are selected. Winners will be honored at an awards ceremony held at the same time as the annual general meeting of the association (held every June). In addition to the award certificate, a supplementary prize of ¥100,000 will be given.



Eligibility

- 1) An individual or a group of individuals who have made outstanding achievement s in research, technology development , and manufacturing/production in the field of electronic ceramics. As a rule, a group should not exceed five persons.
- 2) There is no age restriction.
- 3) The applicant is not asked whether the candidate has received any awards in the past.



Period for accepting nominations

July 1st - November 30th of each year

※Please download the application form from the website.
http://www.fokinen.com/user/oubo_okazaki.html



Nominators

- 1) Either a member of the Fulrath Okazaki Memorial Association or a self-nomination is acceptable.

Address and contact information for applications

Fulrath Okazaki Memorial Association Secretariat

2-11-16, Yayoi, Bunkyo-ku, Tokyo 113-8656
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Fulrath Okazaki Memorial Association Secretariat
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