

## Fostering Engineers

We organized events or programs that foster microscope engineers to improve microscopic technology. In addition to the academic lecture meetings, seminars, and tutorial sessions by research groups, we annually hold special seminars focusing on electron microscopes called electron microscope colleges with experts in various fields invited as speakers as well as the Summer School of Electron Microscopes lectured by researchers from universities and the private sector to provide young people with opportunities to acquire the scientific theory of microscopy and to learn to operate equipment through actual practice. We also offer training sessions on practical skills hosted by the Kanto branch as a leader, including sample pretreatment. Every fall, we conduct a certification test on skills for electron microscopes at three venues in Japan (Tokyo, Kyoto, and Fukuoka) to certify people who have knowledge and skills above a certain level as certified electron microscopy engineers. In addition, we supervise materials, such as *Guidebook to Electron Microscopy*, a book designed for beginners, to actively work toward the popularization of electron microscopic techniques.



Electron Microscope Introductory Guidebook

## Non-Profit-Making Activities: Open Lectures and Workshops for Citizens and Support for Science Education

We not only focus on giving back research results obtained by trained members to society to contribute to the development of industry circles but also focus our efforts on clearly communicating to many citizens the significance and results of our research and their relation to their lives. At events, such as academic lecture meetings and symposiums, we held open lectures and workshops for citizens. In addition, in cooperation with supporting member enterprises, we bring a desktop scanning electron microscope (SEM) into classrooms to give children an opportunity to experience the state-of-the-art microscope.



Open lecture for Citizens



Workshop for Citizens

## Information about the membership

- The members can read the *Microscopy* electronic edition (six issues a year), an academic journal in English, on the Web and download it at no charge. In addition, the members receive *Kenbikyo*, an academic journal in Japanese (three issues per year), at no charge.
- The members can join the mailing list to get useful information, such as notices of lecture meetings hosted and co-hosted by the *society and discussion* sessions and seminars by subcommittees and other organizations.
- Members can receive membership discounts for participation fees and the like for many events hosted by society, such as academic lecture meetings and symposiums.
- The student members are exempted from participation fees for educational lecture meetings and symposiums if they are recommended by their advisers to attend them.

We would like to ask enterprises to support their activities as supporting members. The supporting members are given the following bonuses, which allow each member to:

- Receives free subscription of our two academic journals, *Microscopy* and *Kenbikyo*
- Receive two copies of summaries of educational lecture meetings and symposiums
- Receive information on events by society (including its branch offices, subcommittees, and research groups)
- Put a link to its website on society's website.

If you would like to join the membership of our society, please complete the application form, and send it to the office of the society by email, fax, or mail. The application form can be downloaded from the website. Please refer to the completion instructions for the form along with other information, which is available on our website.

\* Website of the society: <https://microscopy.or.jp/english/>

\* Office of the Japanese Society of Microscopy

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E-mail: [jsm-post@microscopy.or.jp](mailto:jsm-post@microscopy.or.jp)

## Annual Membership Fees

- Domestic members: 11,000 yen for full membership and 3000 yen for student membership.
- Foreign members: 13,500 yen for full membership, 5500 yen for student membership
- Supporting members: JPY 60,000 for one share of membership

## Contact Information

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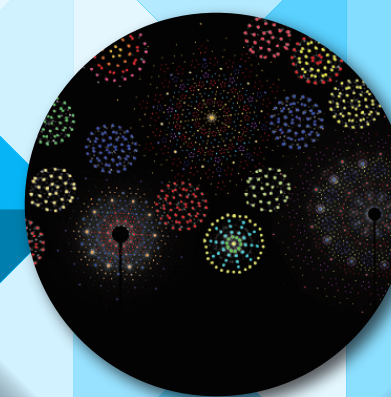
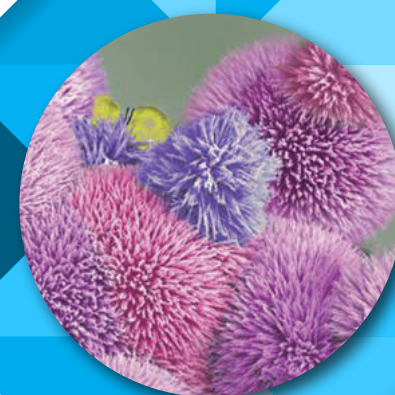
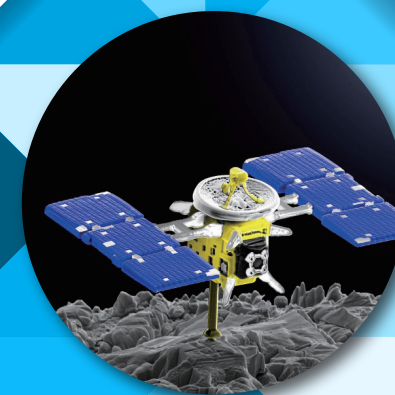
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# The Japanese Society of Microscopy

## Viewing Things under a Microscope Creates an Age Where New Seeds and Needs Are Searched for

The Japanese Society of Microscopy is an academic organization that aims, in a variety of fields ranging from life science to materials science, to contribute to the development of science and the progress of society through activities for researching and developing micro techniques.

We are making efforts to develop and popularize microscopy and enforce cooperation among members.



<https://www.microscopy.or.jp/>





Professor Hiroshi Jinnai  
62nd President of the Japanese Society of Microscopy  
(Institute of Multidisciplinary Research for Advanced Materials, Tohoku University)

## Message from the President

It is both a great honor and a profound responsibility to have been appointed President of the Japanese Society of Microscopy at the 81st Annual Meeting held in Fukuoka. Upon assuming this esteemed position, I would like to extend my sincere greetings and outline my aspirations for the years ahead.

The Japanese Society of Microscopy, with its long and distinguished history, has made significant contributions to advancing microscopy and its applications across a wide range of scientific and industrial fields. Thanks to the dedicated efforts of successive executive teams, the Society currently has a stable financial foundation, successfully organizes high-quality scientific meetings, and implements various initiatives to support and nurture young researchers.

However, the Society must now contend with a shifting landscape characterized by declining population trends and their anticipated impact on membership, along with the increasing complexity and diversification of research themes driven by global environmental and societal challenges. In addressing these developments, I intend to uphold the Society's core missions—such as scientific meetings, research initiatives, journal publication, and recognition of academic excellence—while placing renewed emphasis on promoting diversity in both research fields and content.

With the generous support of our members, I hope to advance the Society by concentrating on the following strategic priorities:

### (1) Strengthening Inter-Societal Collaboration and Exploring Emerging Disciplines

To broaden our research landscape, it is crucial that we actively seek collaboration with related academic societies and foster deeper channels of communication. The Society has a robust membership base in fields such as metallurgy, inorganic materials, physics, and biology, all of which exhibit remarkable academic activity. Nevertheless, there remains significant potential for enhancing our engagement with the chemical sciences—fields that are increasingly vital for developing next-generation materials and advancing our understanding of physiological mechanisms.

To this end, I aim to enhance our collaboration with chemistry-oriented societies. By strengthening the integration of chemical sciences that bridge the gap between materials and biological research, we can contribute to the emergence of new fields such as soft organic materials and cultivate partnerships with chemical industries. I am confident that these efforts will further invigorate and expand the reach of our Society.

### (2) Diversification of Microscopy Techniques

In the field of microscopy, the convergence of multiscale and multimodal measurements, along with the integration of experimental techniques and computational analysis, has become a defining global trend. In response, we will actively engage with related communities to promote the diversification of microscopy methodologies and establish our Society as a leading force in this evolving international landscape.

### (3) Promotion of Internationalization

It is essential for the Society to maintain a keen awareness of global trends in microscopy and related technologies. We will continue to promote the international participation of our members, particularly early-career researchers and female scientists, by supporting their engagement in overseas conferences and academic activities. Furthermore, we seek to strengthen our relationships with international microscopy societies, especially those in the Asia-Pacific region, to enhance the visibility and impact of Japanese microscopy within the global scientific community.

### (4) Organizational Strengthening and Regional Empowerment

Drawing on my experience in the Kansai, Kyushu, and Kanto branches, I have come to appreciate the importance of promoting regionally distinctive academic activities. To this end, we will encourage initiatives that reflect local characteristics and expertise, while also enhancing the administrative capabilities of the Society's secretariat to ensure efficient and effective organizational operation.

In conclusion, I have outlined my aspirations for the Society's future. While my contributions may be modest, I am firmly committed to advancing the scientific frontiers enabled by microscopy and fostering the continued growth and excellence of our Society. I humbly ask for the continued support and guidance of all our members in this endeavor.

## Philosophy of the Society

The Japanese Society of Microscopy is an academic organization that aims to pursue the scientific theory of microscopy, promote research and development activities related to microscopy, and utilize the activity results in all academic fields, including life science and material science, and through the development of them, contribute to the development of society and culture.

The 37th subcommittee of the Japan Society for the Promotion of Science, which started in 1931, was the foundation of the Japanese Society of Electron Microscopy, which was later established as an independent academic society in 1949. Subsequently, in 2003, it was renamed as the Japanese Society of Microscopy, as an organization that also covers the field of new microscopes, including probe microscopes and atomic force microscopes. With members engaged in various research areas, such as electricity, chemistry, physics, medical science, and biology, the society consists of researchers from the private sector, including university researchers and manufacturers. Thus, the interaction among researchers provides occasions that allow for unique discussions beyond academic boundaries.

## History and Organization

1949: Established as the Japanese Society of Electron Microscopy  
2003: Renamed as the Japanese Society of Microscopy  
2012: Incorporated as a public service corporation

- Number of members (as of April 2025): 1,434 full members, 155 student members, and 73 supporting members
- Branch: Four offices (Hokkaido, Kanto, Kansai, and Kyushu)
- Subcommittees and research groups: 11 subcommittees and Five research groups
- Standing committees: Ten committees
- Main business activities: Holding of academic lecture meetings, symposiums, seminars on electron microscopes, and summer school; implementation of skills certification test; commendation of awards of the society; implementation of activities by subcommittees and research groups; holding of lecture meetings by the branch offices; cooperation with associated academic societies and associations

## Academic Lecture Meetings and Symposiums

We conduct an academic lecture meeting in spring and a symposium in fall every year as occasions for members to publish research findings and mutually exchange technological information. This educational lecture was attended by approximately 1000 people, primarily consisting of members. Nearly 500 research accomplishments were presented during the three-day session, in which participants were engaged in a series of enthusiastic discussions. The symposium provides a topical lecture on a specific topic. At the academic lecture meetings and symposiums, supporting members and other business associates also present commercial exhibitions and hold workshops and seminars to present the latest equipment and technical information.



## Society Commendation

As one of our activities, we encourage research related to the microscopic area and commend the research results. With the establishment of the Society Award (Seto Award), which is given to individuals who serve as a model for members; the Paper/Japanese Journal Award, which is given to papers recognized to be excellent from those published in academic journals in the last two years; the Prize for Encouragement intended to encourage young researchers, and the Distinguished Technical Service Award, which is given to individuals who have distinguished themselves in developing applied technologies of microscopes, we commend full members and research papers selected through strict examination.

## Activities of Subcommittees and Research Groups

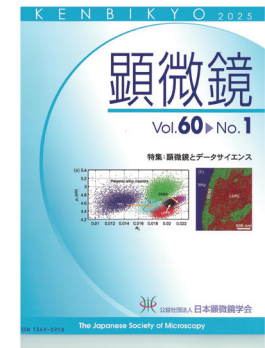
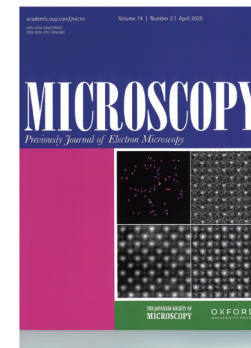
Society consists of researchers in a variety of fields ranging from biology to materials science. Interactions among researchers in different fields also provide opportunities that will lead to new discoveries and innovative inventions. We also encourage our subcommittees and research groups to actively carry out activities to provide occasions that allow for a deeper and/or a wider range of discussions. Our subcommittees work on lasting, universal, and fundamental subjects in as many as ten academic fields, including ultra-high-resolution microscopy, scanning electron microscopy, and analytical electron microscopy. The research groups are working on topical or ad hoc subjects, and the research results obtained through these activities are reported at academic lecture meetings, symposiums, and other occasions, such as meetings for presenting research results, and are widely shared with the members, helping raise the research level.

## Activities of the Branches

We encourage our four branches, namely, 1) Hokkaido, 2) Kanto, 3) Kansai, and 4) Kyushu branches, to carry out society-wide activities on a branch-by-branch basis. Through research activities that focus on regional characteristics specific to each branch, they provide occasions that help members solve their problems and host lecture meetings, where they actively exchange ideas with other branch offices. In recent years, in particular, by co-hosting a symposium, with the branch office covering the region in which the symposium is held, we provide meaningful opportunities for discussions while aiming to vitalize local industries and increase the number of participants.

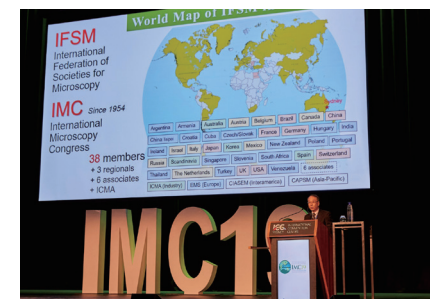
## Microscopy and Kenbikyo, Academic Journals in English and Japanese

We publish *Microscopy* (formerly known as the Journal of Electron Microscopy), a journal in English, and *Kenbikyo* (meaning “microscope” in Japanese), a Japanese journal. As a world-class peer-reviewed journal in English, *Microscopy* provides members with information on latest research trends and acts as a source for the members to present their research results. *Kenbikyo* offers research reviews and features interpretive articles on, for example, observation and analysis techniques and provides a basic technical course on the microscopic methods.



## International Interaction

As the international community is becoming more globalized, we believe that it is important to promote global interaction in the field of microscopy and globalize the academic society by promoting research at higher levels. We hosted two international conferences in Kyoto (1986) and Sapporo (2006) as members of the International Federation of Societies for Microscopy (IFSM). In cooperation with China, Korea, and Taiwan, we also take part in the organization of East-Asia Microscopy Conferences (EAMC) to develop microscopy in Asian countries. In addition, on occasions held in Japan, we invite many famous researchers from foreign countries to actively promote international interaction by, for example, holding international sessions and bilateral seminars.



## Encouragement of Young Researchers

Microscopy is useful not only in developing science and technology but also in many aspects of society, such as the development of materials with new functions, determination of the causes of diseases, and regenerative medicine. Inheriting microscopy to realize a better society is one of our missions. To this end, we are making more efforts to develop young researchers who will inherit microscopy. At academic lecture meetings and symposiums in Japan, we encourage young researchers to conduct research by, for example, exempting student members from participation fees and establishing the Excellent Poster Award for Students. By supporting young researchers participating in international conferences, we promote their interactions with foreign researchers. With the number of young researcher members slightly increasing, a research group of young researchers has been set up to provide them with opportunities to exchange information and make a wide range of discussions. The Prize for Encouragement established by us is given to excellent research by young researchers; unique ideas and executive power of young researchers are essential for the future of microscopy. Thus, we will continue to actively support their research activities.