

一般社団法人 **日本画像学会**
The Imaging Society of Japan
Our Activities and Overview 2026



Pursuit of Optimal Imaging Ambience
生活シーンにおける最適な画像空間の提供



ISJ President's Message



Masahiko FUJII, the 34th president of ISJ

The annual conference ICJ2024 held in a hybrid format at the Suzukakedai campus, Tokyo Institute of Technology and online recorded 62 papers and 294 participants, a significant increase from last year, almost the level before the spread of the new coronavirus infection. Approximately 80% of the participants visited the venue, making the event worthy of the conference's slogan, "Come, Watch, and Discuss about the Future of Imaging Technology". Hoping the "connections" created among many participants leading to further development under the slogan, I would like to talk about the relationship between "connections" and "innovation" in my speech as president.

There are various opinions regarding the definition of innovation. Its origin is the concept of "neuen Kombinationen", which economist Schumpeter proposed in 1911 in "The Theory of Economic Development". In addition, in the paper "Architectural Innovation: The Reconfiguration of Existing Product Technologies and the Failure of Established Firms" written in 2007, Henderson et al., they showed a portfolio in which the horizontal axis represents maintaining/converting the core concept, and the vertical axis represents maintaining/changing the relationship (architecture) between the core concept and the configuration outline, and they identify four starting points that lead to innovation. As you explore new architectures to find out how existing or new technologies and approaches connect to your core concepts, and to confirm their direction and validity, you need to go outside your organization. Connect with researchers, have a transactive memory of who is familiar with what specialties, and what kind of knowledge and experience they have (I think of it as creating a table of contents for your own personal encyclopedia). Shouldn't we start by discussing it with the appropriate people written in the memory? I believe that academic societies are the best place to do this.

I hope that you will come to the conference with the understanding that making connections outside your organization based on your own volition has the potential to contribute not only to your own growth, but also to the development of the organization you belong to.

(From "Prefatory Note", Journal of imaging Society of Japan, Vol.63, No.4. 2024)

About ISJ

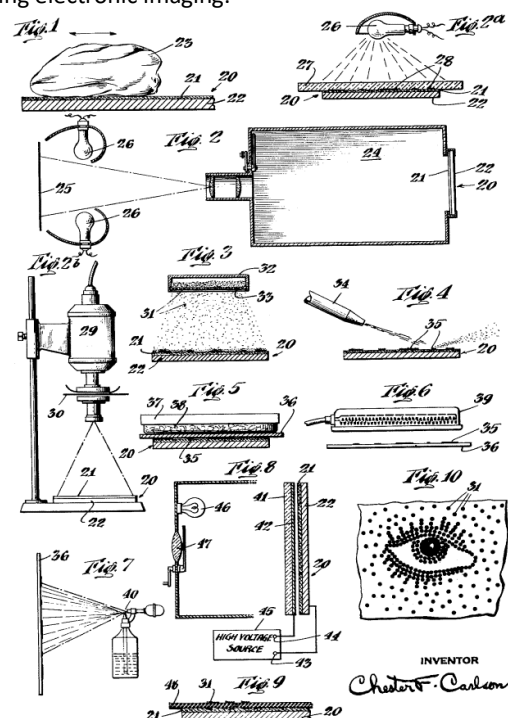
■ What is "Imaging"?

General Incorporated Association, the Imaging Society of Japan (ISJ) is an organization of engineers and researchers who strive for progress and growth of the imaging technology through information exchanging concerning basic and application of image. "Imaging" means an artificial manner to allocate colored or emitting material on a substrate by utilizing various physics for creating visible structure as an image. Imaging process and its relevant technology of material, control, analysis, digital processing, measurement, evaluation, etc. are ISJ's main scopes. Furthermore, ISJ is capturing additional scopes such as research for visibility and image recognition of human being or enhanced application of imaging process to the other industry fields.

■ History

In 1938, C. F. Carlson achieved success in the historic first reproduction of electrophotography. The first commercial model was established in 1950. This epoch-making invention absolving people from work for transcription was introduced across the Pacific Ocean. In 1958, the Forum of the Electrophotography of Japan was founded.

In 1980s, several new research fields have been taken us such as various digital printing methods including electrophotography, technology on digital image processing and media/device for displaying images along with the popularization of computers. In 1998, 40th anniversary of the foundation, the society was renamed to the Imaging Society of Japan to cover the expanded field of digital imaging technology including electronic imaging.



Patent figure of electrophotography invented by C. F. Carlson

■ ISJ Today

In 2010, the Imaging Society of Japan was registered as a general incorporated association. In 2014, academic societies in various image-related fields, including ISJ, gathered to provide a forum for disseminating information and discussing new developments in image technology based on the integrated handling of images, "The Federation of Imaging Societies" was established. As a joint project of this federation, the 1st International Conference on Advanced Imaging 2015 (ICAI2015) was held in June 2015, and we continue to act as representatives of various imaging fields in Japan and overseas. Recently, rapid evolution of computer's has increased its ability of digital image data processing more than recognizable level of human being. It has also changed needs for image information at the living environment. The Society formulated the long-term vision "Vision 55" in 2012, revised it as "Vision 2030" in 2018, and is taking on new challenges. Current membership is about 700. We are striving to attain our dream on imaging.

Technical Fields

Currently, ISJ's scopes are focused to various fields relating to image and imaging technology, especially to printing technology and its derivative technology.

Inkjet

Inkjet process, Print-head structure/driver,
Ink materials, Colorants, Pigments, etc.

Electrophotography

Printing process/devices, Photoconductor,
Developer materials (colorants, pigments),
Functional materials

Direct Marking

Toner marking, Thermal printing,
Material compositions, Colorants, Pigments

Digital Fabrication

Applying imaging technology to the other fields

Electronic Paper/ Electronic Imaging

Novel Imaging

Display Materials and Devices

Material/engineering for Organic EL, Liquid crystal,
etc.

Image Input

Image scanner, Digital camera, etc.

Image Processing and Network

Image Measurement and Evaluation

Color and Sensibility Kansei on Imaging

3D· 4D printing

Environmental Protection and Energy Saving

Visions

Based on the "Vision 55" philosophy formulated in 2012, ISJ's activity is managed with an eye on the direction in which imaging technology should proceed. In 2018, during the revision work as "Vision 2030", we embodied the image of future development of the society as "Action before 2020".

1. Expansion of range of each printing technology to the new market such as production printing or printing for fabrication and to its design method.
2. Strengthening the 3D printing area
3. Strengthening the field of visual research
4. Strengthening the image processing field

We also aim to embark on new fields by leveraging the accumulated technology of the society and the high awareness of activities of our members.

The Society Slogan

Pursuit of Optimal Imaging Ambience

- Living environment with imaging at all time
- Imaging technology for helping a productive life
- Comfortable image handling anytime/anywhere

ISJ's Long-term Vision

ISJ assumes opportunity for incubating exploratory researches based on image or imaging technology. ISJ makes them grow to proposals for a future living environment.

Missions based on the Vision

Mission to the members

ISJ meets the needs of members' intellectual desire to provide venues to expand their fields of knowledge through cross-field communications.

Mission to society

Image as a social infrastructure exists around us in the living environment at any time, for example:
Image is supplied to us for enriching human life in the form of movie, television, display of a mobile phone, PC, medical device, advertising media, packaging, signage and book.
ISJ will lead a comfortable environment for image handling anytime and anywhere through an improvement of the imaging technology.

Activities

■ Annual meeting, Imaging Conference JAPAN

The annual conference provides opportunities for researchers and engineers concerning imaging technology to make active discussion and exchange of ideas through sharing their latest investigations. The topics covers hardcopy, various marking technologies, and novel imaging technologies such as electronic paper, electronic imaging, 3D printing and digital fabrication technologies. Regular papers invited papers and other optional events such as workshops, exhibition and social hour are arranged in 3 days.

Imaging Conference JAPAN is held in June at Tokyo area, and Imaging Conference JAPAN Fall Meeting is held in November at Kansai area.

The 2021 Autumn Annual Meeting was held online as an international conference (International Conference on Advanced Imaging 2021, ICAI) co-sponsored by four member societies of the Federation of Imaging Societies. The 2025 Conference was held locally and online as a hybrid.



Snapshot of the oral session at the "Imaging Conference JAPAN 2025" (Institute of Science Tokyo, 2025).

■ Symposium

A regular symposium is organized twice a year (in May at Kansai, in December at Tokyo) featuring a specific theme.

An international symposium is also held irregularly featuring a technical field which is insufficient only by domestic knowledge such as electronic paper.



Possibilities of digital printing in flexible packaging have been discussed at ISJ Kansai Symposium (2025).

■ Lecture Course

Lecture course is held twice a year targeting engineers having 1 to 3 years' experience in the imaging technology to learn basics. The spring course includes 2days lecture at Tokyo. The fall course is an intensive course in one day at Kansai area. The spring course has an optional course of practical training for numerical simulation.



89th Imaging Society of Japan Lecture Course
(Unicom Plaza Sagamihara, 2025)

■ Technical Seminar

Technical seminar is organized by each sub-committee of the Technical Committee with presentations by specialists in the specific field.



Latest trends in electronic paper flexible technology and green technology (Tokyo Institute of Technology, 2025)

■ Imaging Café

Key concept of the "Imaging Café" is to enjoy discussion with some refreshments in the evening after work.

It is open monthly with a guest speaker.

An individual membership earns a special discount to the registration fee.

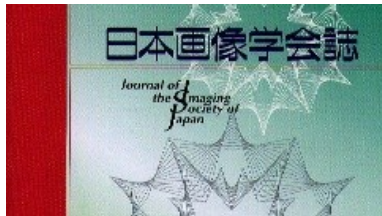


4th Imaging NEXT, Liquid crystal materials and device echnologies that will shape the future (Tokyo University of Science, 2025)

■ Journal

ISJ's Journal is published including original papers, technical articles, feature issues (Imaging Today) and reports/announcements of ISJ's events. The Editorial Committee maintains opportunity for members to share knowledge.

"Imaging Today" features recent topics or information of some relevant fields providing articles by specialists.



Front cover of the ISJ Journal, published in every other month

■ Free Talking “Imaging Today”

Authors of the articles featured at the “Imaging Today” of the ISJ’s Journal are invited and make lectures and discussions. The lectures are followed up with a social hour. It is held twice a year.

■ Distribution of Test Charts, Standard Developers and Technical Glossary

“Standardization” is a mission of the academic society to define the common scales and terms. ISJ’s technical committee researches and develops high-precision test charts, standard developers and also distributes a terminology of the technical terms.



Digital Chart No.7 developed by the Technical Committee on Image Evaluation Technology.

■ Imaging Terminology

The Imaging Technology Glossary compiled by ISJ was updated in 2024 and published on the website. User interface have been improved for finding words.



■ Publication

ISJ edits and publishes books on imaging technology. The recent publications are “Electro-photography”, “Electronic Paper”, “Inkjet” and “Chemical Toner”.



Series “Technology on Digital Printers”, All 4 volumes (2008) and the latest publication (2018 and 2024).

■ Technical Community Group

Recently, several community sites such as the Inkjet Community, the Digital Fabrication Community and the Simulation Community organized by the sub-committees are established.



Community sites organized by the technical committee

■ Commendation

ISJ makes honorable recognitions of those who have remarkable accomplishments to contribute academic or technological progress in the fields of image and imaging. ISJ prepares the Society Award, the Achievement Award, the Paper Award, the Research Grant, the Technology Award, the Technical Research Award and the President Grand Prize. ISJ also gives honors of Fellows to those who contributed to the specialized fields.



Commemorative photo scene at the award ceremony of the Imaging Society of Japan (2018)

■ Annual Assembly

According to the ISJ’s articles of incorporation, ISJ holds an annual regular general assembly to resolve important bills. The assembly is held during the period of the annual conference in spring. Each one individual membership carries one voting rights.

■ ISJ’s Homepage

ISJ’s homepage introduces the newest information of the events and applications. Useful links such as to registration sites of the respective events, application sites of the annual conference, updating your membership information are available through this page.

■ Collaboration with Other Societies

In 2014, "The Federation of Imaging Societies" has been established by the Imaging Society of Japan, the Institute of Image Electronics Engineers of Japan, the Japan Society for Printing Science and Technology and the Society of Photographic Science and Technology, Japan. They are expanding their fields for discussion and information sharing by co-sponsoring or mutually supporting events. In addition, we are expanding our collaboration with the Visual Society of Japan, such as co-sponsoring a "Basic Course on Vision and Images" for beginners.

ISJ also arranges international collaboration with the Society for Imaging Science and Technology (IS&T) and Chinese Society for Imaging Science and Technology by supporting or co-sponsoring international conferences.

To the Future

ISJ is working to expand the scope based on the society vision "Action before 2020", which was planned at the milestone of the 60th anniversary of the foundation.

■ Strengthening the field of visual research

In 2017, a collaboration project with the Vision Society of Japan has begun. From July 2018, we started "Basic Course on Vision and Image (4 times in total)". By training engineers who are familiar with both the fields of vision science and image engineering, we aim to evolve into a technology that efficiently draws out the power of images.

■ Strengthening the 3D printing area

In October 2018, we established the Special Interest Group of 4D and Functional Fabrication (4DFF), starting with the "Conference on 4D and Functional Printing 2018" co-sponsored by the ISJ and Consortium of the Global Society with Planetary Fabbings, SFC Keio University. We will develop it as a place for discussions and presentations in research areas aimed at realizing the fourth axis (time axis or value axis) that is beyond the expansion of the material range of Additive Manufacturing (AM) technology.

■ "Copying Machine Heritage"

ISJ started the honoring business to certify "Copying Machine Heritage" in 2018 in order to commend the technical and social achievements of the early copiers that became the driving force of the copier industry in Japan, and to keep the memory of the technology installed in existing historic copiers for a long time and pass it on to future generations. Currently, 14 cases and 15 models are certified.

Organization

ISJ is organizationally managed by an executive board and specific committees. The executive board members are chosen in an election by individual members. The president and vice-presidents chosen from the board are representative of ISJ.



Masahiko Fujii
President



Shuichi MAEDA
Vice-President

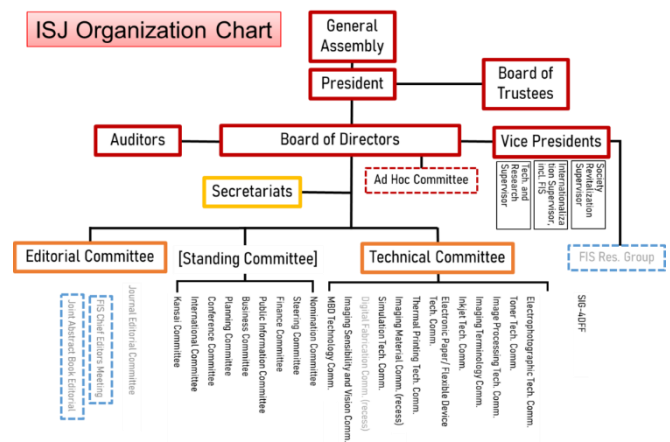


Hiroe KIZAKI
Vice-President

■ Committee Organization

- Executive Board
- Technical Committee
- Editorial Committee
- Nomination Committee
- Business Committee
- International Committee
- Kansai Committee
- Chamber Council
- Finance Committee
- Steering Committee
- Conference Committee
- Planning Committee
- Public Information Committee

ISJ Organization Chart



■ Technical Sub-Committees

The Technical Committee organizes sub-committees on each technical region to plan and manage technical seminars or symposiums. The sub-committee helps compiling books and glossaries published by ISJ. It also manages standardization activity as an authority of the specific field.

At present, 10 sub-committees are organized:

Printing

- Technical Committee on Electrophotographic Technology
- Technical Committee on Toner Technology
- Technical Committee on Inkjet Technology
- Technical Committee on Thermal Printing Technology

Image and Vision

- Technical Committee on Image Processing Technology
- Technical committee on Imaging Sensibility and Vision

Electronic Imaging

- Technical Committee on Electronic Paper/Flexible Devices

Simulation

- Technical Committee on Simulation Technology
- Technical Committee on MBD Technology

Terminology

- Technical Committee on Imaging Terminology

New Fields

- Technical Committee on Digital Fabrication (Adjourned)

How to Join Us?

The Imaging Society Japan contains many researchers and engineers belonging to printing equipment industries or the relevant manufacturers of instruments or materials. ISJ has many fascinations for an engineer with spurring curiosity and a competitive spirit through a professional or comprehensive discussion for basic and applied imaging technology on physics, chemistry, mechanics, metrology, information processing, manufacturing and kansei, as well as sociology. Everyone who is interested in “imaging” technology in various meaning is very much welcomed.

■ Individual Membership

Please visit ISJ's Homepage and access “Information” => “To be a member”. You will find a link to the online application form. You can also request an application form to the ISJ office by e-mail, fax or phone. The billing statement will be sent by mail after the confirmation.

Annual Fee **Regular Member: 8,000 yen**
Student Member: 3,000 yen

Benefits of an individual member are as follows:

1. Subscription to the bi-monthly journal as well as announcements of the conferences, seminars and other ISJ events.
2. Individual membership discount on each ISJ conference, symposium, lecture course and seminar fee.
3. Opportunities to apply paper to the conference and the journal for your research publication.
4. Membership discount price for ISJ's test charts, standard developers and proceedings (including back numbers).

5. Priority events for individual member such as “Imaging Café” (exclusive discount fee for individual member).
6. Access to the ISJ online member directory, which is useful for finding colleagues, making network to share information between members.

■ Supporting Company Membership

ISJ solicits corporates and associations for supporting the society activities as a supporting company member. Benefits of a supporting company member are as follows:

1. Subscription to two (2) copies of bi-monthly journal per unit as well as announcements of the conferences, seminars and other ISJ events.
2. Two (2) individual membership discount per unit on each ISJ conference, symposium, lecture course and seminar fee.
3. Membership discount price for ISJ's test charts, standard developers and proceedings (including back numbers).
4. Invitation to the chamber council as a councilor to state an opinion to the society.

Please request an application form to the ISJ office by e-mail, fax or phone. The executive board will approve and certify you as a supporting company member.

Supporting Company Member Fee (Annual):
80,000 yen (per unit*); *at least one unit or more

■ Laboratory Membership

The membership fee will be 20,000 yen for one regular member (representative) and five student members.

This is a discount for one student membership.

If you would like to join, please fill out the membership application form for the representative and submit it with a statement that you would like to become a laboratory member.

Laboratory Member Fee (Annual): 20,000 yen

List of the Supporting Companies (As of March, 2024)

<IMEX Co., Ltd.>, <Advanced Energy Japan, Inc.>, <Idemitsu Kosan Co., Ltd.>, <IWATSU ELECTRIC CO.,LTD>,, <Oji Holdings Corporation>, <Oki Electric Industry Co., Ltd.>, <Orient Chemical Industries Co., Ltd.>, <Kao Corporation>, <CASIO COMPUTER CO., LTD.>, <KATSURAGAWA ELECTRIC CO., LTD.>, <Canon Inc.>, <Canon Finetech Nisca Inc.>, <KYOCERA Corporation>, <KYOCERA Document Solutions Inc.>, <National Printing Bureau>, <Konica Minolta, Inc.>, <SAKATA INX CORPORATION>, <Shandong Hualing Electronics Co., Ltd.>, <Sanyo Chemical Industries, Ltd.>, <SHARP CORPORATION>, <SYNZTEC CO.,LTD.>, <SCREEN Holdings Co., Ltd.>, <Sumitomo Rubber Industries, Ltd.>, <Sumitomo Riko Company Limited>, <Seiko Epson Corp.>, <Daido Chemical Corporation>, <Dainichiseika Color & Chemicals Mfg. Co., Ltd.>, <Dai Nippon Printing Co., Ltd.>, <Takasago International Corporation>, <DIC Corporation>, <DENTSU SOKEN INC.>, <TOSHIBA TEC CORPORATION>, <TOYO COLOR CO., LTD.>, <TORAY ENGINEERING Co., Ltd>, <TODA KOGYO CORP.>, <Japan Patent Office>, <TOPPAN PRINTING CO., LTD.>, <TOMOEGAWA CO., LTD.>, <NAIGAI CARBON INK CO., LTD.>, <Nisshin Seifun Group Inc.>, <Nippon Paper Industries Co., Ltd.>, <Zeon Corporation>, <Powdertech Co., Ltd.>, <Bando Chemical Industries, Ltd.>, <FUJIKURA KASEI CO.,LTD.>, <Fuji Electric Co., Ltd.>, <FUJIFILM Corporation>, <FUJIFILM Imaging Systems Co., Ltd.>, <FUJIFILM Graphic Solutions Corporation>,< FUJIFILM Business Innovation Corp.>, <Fuji Chemicals Industrial Co., Ltd.>, <Fuso Chemical Co., Ltd.>, <Brother Industries, Ltd.>, <Hodogaya Chemical Co., Ltd.>, <Mitsubishi Chemical Corporation>, <Mitsubishi Paper Mills Limited>, <MIMAKI ENGINEERING CO., LTD.>, <MUTOH INDUSTRIES LTD.>, <Murata Machinery, Ltd.>, <Yamanashi Electronics Co., Ltd.>, <Yamamoto Trading Co., Ltd.>, <Ricoh Company Ltd.>, <Ricoh IT Solutions Co., Ltd.>



【ISJ Office】

The Imaging Society of Japan, ISJ

一般社団法人日本画像学会事務局

c/o Tokyo Polytechnic University,

2-9-5, Honcho, Nakano-ku, Tokyo, 164-8678 Japan

Tel: +81-3-3373-9576 / Fax: +81-3-3372-4414

E-mail: isj-information@isj-imaging.org

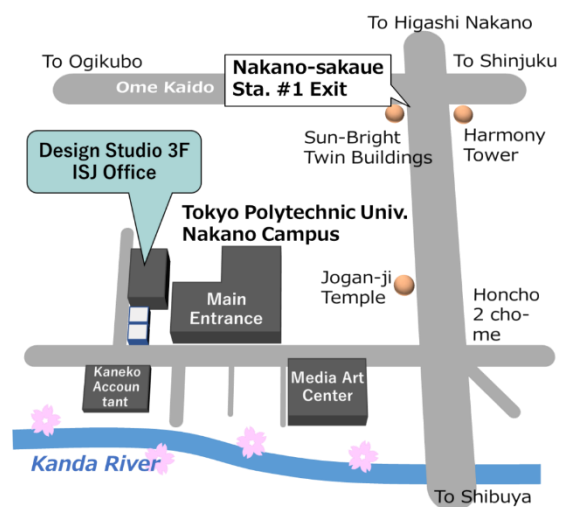
Secretary-General: Nobuyuki NAKAYAMA

Deputy Secretary-General: Tatsuo TAKEUCHI

Secretary: Yoko NISHIHARA

【Homepage】

<https://www.imaging-society-japan.org/isj.html>



Transportation 10 min. walk from Nakano-sakaue station
on Tokyo Metro Marunouchi Line / Toei Subway Oedo Line