

What is “JSAP”?

The activities of JSAP (The Japan Society of Applied Physics) centre on the field of applied physics. In applied physics, the Society plays a key dual role by acting as an academic interface between science and engineering and stimulating social interaction between academia and industry.

JSAP has focused most of its energies to date on organising technical meetings and conferences as a means of encouraging mutually beneficial collaboration between researchers working in applied physics. Recent developments include:

(1) Approval of a standard in the field of ‘Physics and Applied Physics’ for the Japan Accreditation Board for Engineering Education (JABEE) has enabled the Japan Physical Society, JSAP and related academic societies to initiate a plan for a trial “JABEE Assessment” in 2001.

(2) JSAP is cooperating with The Japan Federation of Engineering Societies in organising a system of continuous education for Japanese scientists and engineers that will eventually lead to internationally recognisable qualifications.

(3) JSAP has received 2.5 million Yen from 1011 contributors for its ‘JSAP Fund 21’. The contributions will be used to promote JSAP by supporting activities such as the ‘Public Lecture’ series and the ‘Festival of Science and Life’.

(4) The first ever JSAP ‘Accomplishment Awards’ presentation ceremony was held. The recipients of the awards were Dr. Izuo Hayashi for the development of the laser diode and Mr. Mamoru Mohri for his contributions to the development of science and technology as an astronaut.

Membership

The total membership of JSAP was 23,126 as of August 2000 with members specialising in physics, applied physics, electronics, chemistry, communications, materials science, metallurgy, and mechanical engineering. About two-thirds of the members of JSAP are recruited from industry and one third of members are based mainly in academic institutions and government laboratories (Fig. 1).

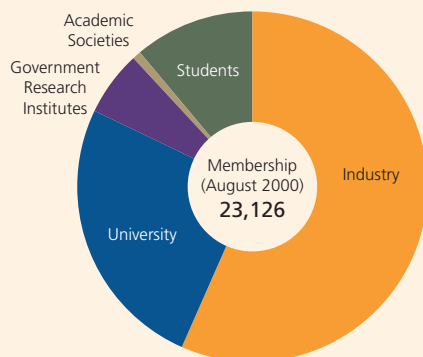


Fig. 1.

Publications

JSAP publishes the monthly journal *Oyo Buturi*, a Japanese-language membership journal containing review articles. The JSAP also publishes a separate two-part periodical in English, the Japanese Journal of Applied Physics (JJAP), where Part 1 is published monthly and Part 2 bimonthly. Part 1 is dedicated to regular papers, short notes and review papers and Part 2 to letters. Furthermore, submissions judged to have a large impact factor and as requiring urgent publication, are processed more rapidly and published in the Express Letters section of Part 2. 4,000 copies each JJAP Part 1 and JJAP Part 2 were printed and distributed in 1998, and today more than 800 copies were dispatched to subscribers in 50 countries.

In addition to the above periodicals, JSAP publishes books and the proceedings of various international conferences sponsored or co-sponsored by JSAP in fields related to applied physics. Members receive a discount on these publications.

Academic Meetings

The JSAP holds two national conventions annually, in which a third of the JSAP membership generally participates. The Spring meeting (held in the Tokyo area) usually involves about 8000 participants and the Autumn meeting (held in other parts of Japan, such as Kobe or Sapporo) attracts approximately 6,000 participants. The two conventions are held over a period of four days during which about 4,000 papers are presented in regular sessions and symposia.

In the near future, the title of every paper to be presented at the two annual conventions will be made available in advance on the JSAP home page in an English-language preview. Furthermore, all of the original abstracts (in Japanese) will be uploaded to the same web-site after the completion of every convention.

International Conferences

JSAP sponsored more than 19 international conferences in the fields of applied physics and related subjects in 1999. In that year, the list of major international conferences held under the sponsorship of, or in cooperation with, JSAP included Optical Memory, Liquid Crystals, Solar Cells, and international symposia on VLSI Technology, Microprocessing and Nanotechnology, and Solid State Devices and Materials.

Divisional Activities

JSAP has various divisions that take responsibility for particular subject areas. Each division sponsors activities in its own field of specialisation that include seminars, tutorial meetings, and the publication of newsletters. The divisions that exist currently are

- Education in Applied Physics
- Materials Science and Crystal Technology

- Optics
- Organic Molecular Electronics and Bioelectronics
- Plasma Electronics
- Radiation Science
- Silicon Technology
- Solid State Physics and Applications
- Superconductors
- Thin Film and Surface Physics

JSAP Awards

Outstanding achievement in the field of applied physics is recognized by the presentation of a ‘JSAP Outstanding Achievement Award’ to individuals who have greatly contributed to the progress of applied physics.

Awards are also presented to the authors of papers of excellence published in the two main JSAP periodicals, the membership journal (*Oyo Buturi*) and the Japanese Journal of Applied Physics (JJAP). There are three awards:

- Award for the best original paper
- Award for the most promising young scientist
- Award for the best review paper

Benefits of JSAP Membership

- Free copy of the monthly publication *Oyo Buturi*
- Discount on subscriptions to JJAP Part 1 and JJAP Part 2
- Eligibility to present papers at JSAP meetings
- Discount on JSAP-sponsored conference fees
- Discount on books and conference proceedings published by JSAP
- Access to on-line archive of back numbers of JSAP periodicals
- Participation in meetings organised by societies with formal reciprocal agreements with JSAP (APS, EPS, IEEE/EDS, IEEE/LEOS, IOP, KPS, OSA) at mutual membership rates

How do you join JSAP?

Eligibility for Membership

An individual applying for regular membership should have an interest in applied physics. An applicant for student membership must be a full-time undergraduate or postgraduate student actively involved in research related to applied physics.

Membership fees

The admission fee at registration is 2,000 Yen for a regular member or 1,000 Yen for a student member; and the basic annual subscription fee is 10,000 Yen (plus overseas postage) for regular members or 6,000 Yen (plus overseas postage) for a student member. Members wishing to subscribe to the JJAP are requested to pay 12,000 Yen (plus overseas surface-postage mail) in advance in addition to the basic annual subscription fee.