

BYLAWS OF THE GEOTHERMAL RESEARCH SOCIETY OF JAPAN

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Chapter 1: General Provisions

Article 1

This society shall be called the Geothermal Research Society of Japan (hereinafter referred to as “the Society”).

Article 2

The objectives of the Society shall be to promote the advancement and progress of science and technology related to exploration, development, power generation, multipurpose use and other issues of geothermal resources.

Article 3

1. The Society shall have its office in Tokyo.
2. Where necessary, the Society may establish branches upon a resolution of the Board of Trustees. Matters concerning the branches shall be determined separately.

Chapter 2: Projects

Article 4

The Society shall conduct the following projects in order to achieve the objectives of the Society stipulated in Article 2:

- 1) Research activities,

- 2) Publication of journals and books,
- 3) Holding of Annual Technical Meetings and other technical seminars and workshops,
- 4) Conferring awards to members, and
- 5) Other activities necessary to achieve the objectives of the Society.

Article 5

The fiscal year of the Society shall start on October 1 every year and end on September 30 of the following year.

Chapter 3: Membership

Article 6

Members of the Society shall act with common sense and dignity and strive for the development of the Society in order to achieve the objectives of the Society.

Article 7

The membership of the Society shall consist of the following three categories:

- 1) Regular Members shall be individual persons who have academic knowledge of, or experience in, geothermal energy utilization,
- 2) Supporting Members shall be individuals, corporations or organizations that agree with the

objectives of the Society,

3) Honorary Members shall be persons who have been recommended by the Board of Trustees and have been approved by the General Meeting from among those Regular Members who have made remarkable achievements in the development of science and technology relating to geothermal energy utilization and in the management of the Society.

Article 8

1. Any person or corporation or organization who intends to join as a Regular Member or a Supporting Member shall submit the prescribed application form to the Society and shall obtain the approval of the Board of Trustees.

2. A person or corporation or organization who has been approved for admission shall acquire the status of a Member on paying the membership fee specified in Article 14 below.

Article 9

A member who wishes to withdraw his or her membership shall submit a notice of withdrawal to the Society; provided, however, that the membership fee which has already been paid shall not be refunded.

Article 10

All members may receive copies of the journals published by the Society and may attend the General Meetings and technical meetings held by the Society; provided, however, that this shall not apply in cases where the member is in violation of Article 6.

Article 11

Regular Members shall have voting rights at the

General Meetings, and the right to vote and to be eligible to be voted for the election of the Officers.

Article 12

If a member comes to fall under any of the following items, such member may be expelled upon a resolution of the Board of Trustees:

- 1) A member who has not paid his/her membership fee for one year or more,
- 2) A member who has violated the Bylaws of the Society,
- 3) A member who has been recognized to have interfered with the projects of the Society or to have committed an act dishonoring the name of the Society.

Article 13

A member who has been expelled cannot claim the refund of any dues already paid.

Chapter 4: Membership Fees

Article 14

Any person who has been permitted to join the Society in accordance with Article 8 shall pay the following membership fee before the beginning of each fiscal year.

- 1) Regular Member: annual fee of 7,000 yen
- 2) Supporting Member: annual fee for one unit of 10,000 yen. However, in principle, individuals shall pay for one unit or more, and corporations and organizations shall pay for three units or more.

Article 15

1. Honorary Members are not required to pay membership fees.

2. The Board of Trustees may decide the provisions concerning the measures for deduction and exemption of membership fees.

Chapter 5: Officers

Article 16

The Society shall be governed by the following Officers:

- 1) Twenty-five Trustees, including one President and one Vice President,
- 2) Two Auditors

Article 17

The term of office of the Officers shall be for two years from the date of the Annual General Meeting until the date of the Annual General Meeting two years later; provided, however, that this does not hinder the reappointment of the Officers.

Article 18

Trustees shall be appointed from among the Regular Members through an election; provided, however, that notwithstanding the provisions of Article 11, those who have been elected as a Trustee for five terms or more and who have reached the age of 65 on October 1 of the election year, shall not have the right to be elected as a Trustee.

Article 19

The President shall be appointed from among the Trustees through an election; provided, however, that notwithstanding the provisions of Article 17, consecutive appointment shall be limited to two terms.

2. The President shall nominate the Vice

President from among the Trustees.

3. The President shall appoint the Auditors from among the Regular Members, and shall obtain the approval of the General Meeting.

Article 20

The President shall represent the Society and act as the Chair of the Board of Trustees and the Chair of the General Meeting.

Article 21

The Vice President shall assist the President, and if the President is unable to perform his or her duties, the Vice-President shall perform those duties.

Article 22

The Trustees shall be responsible for administering the affairs of the Society.

Article 23

The Auditors shall monitor the accounts of the Society and report the results to the General Meeting.

Article 24

If there is a vacancy in the post of a Trustee, such post shall be filled by a reserve. The term of office of the reserve Trustee shall be for the remaining term of the predecessor.

Article 25

The Society shall have a number of Secretaries.

Article 26

The Secretaries shall be appointed by the President from among the Regular Members.

Article 27

The term of office of the Secretaries shall conform to Article 17.

Article 28

The Secretaries shall assist the Trustees in performing their duties.

Chapter 6: Meetings

Article 29

The General Meetings shall consist of two types: Annual General Meetings and Extraordinary General Meetings.

Article 30

An Annual General Meeting shall be held within three months of the end of every fiscal year.

Article 31

An Extraordinary General Meeting shall be held in the following cases:

- 1) When the President deems it to be necessary,
- 2) When a request has been made upon a proposed agenda made by one-tenth or more of the total number of the Regular Members.

Article 32

The notice of convocation of the General Meeting shall be sent to all Regular Members by the President at least 14 days prior to the date of the General Meeting with a clear indication of the date, time, place and agenda of the meeting.

Article 33

A quorum at a General Meeting shall be one-tenth or more of the Regular Members; provided, however, that a member who has submitted a

power of attorney shall be deemed to have attended.

Article 34

Resolutions at the General Meeting shall be passed by a majority of the Regular Members present at the meeting, and in the case of an equal number of votes, the Chair shall have the casting vote.

Article 35

The Annual General Meeting shall resolve the matters specified in the following items:

- 1) The business plan and the revenue and expenditure budget plan for the applicable fiscal year,
- 2) The establishment and revision of the Bylaws of the Society and Election Rules,
- 3) Other important matters.

Article 36

The following matters shall require the approval of the Annual General Meeting:

- 1) The business report and the settlement of the revenue and expenditure accounts of the previous fiscal year,
- 2) Other matters deemed necessary by the Board of Trustees.

Article 37

The following matters shall be reported at the Annual General Meeting:

- 1) The results of the election of the Trustees and President,
- 2) Other matters deemed necessary by the Board of Trustees.

Article 38

The Board of Trustees shall be composed of Trustees.

Article 39

The Auditors and Secretaries may attend the Board of Trustees meetings and give their opinions.

Article 40

A Board of Trustees meeting shall be convened if the President deems it to be necessary for the execution of affairs of the Society.

Article 41

A quorum of a Board of Trustees meeting shall be a majority of the Trustees; provided, however, that a Trustee who has submitted a power of attorney shall be deemed to have attended.

Article 42

Resolutions at a Board of Trustees meeting shall be passed by a majority of the Trustees present at the meeting, and in the case of an equal number of votes, the Chair shall have the casting vote.

Article 43

In the event of a matter requiring an emergency resolution by the Board of Trustees, the President may conduct deliberations via email. The items of the deliberations via email shall be decided by a majority of the Board of Trustees and may be substituted for the resolution of the Board of Trustees.

Chapter 7: Committees

Article 44

The Society shall establish the following

Committees:

- 1) Editorial Committee
- 2) Technical Meeting Committee
- 3) International Affairs Committee
- 4) Awards Committee
- 5) Planning Committee
- 6) Public Relations Committee
- 7) General Affairs Committee
- 8) Accounting Committee

Article 45

The Committees shall conduct the following operations:

- 1) The Editorial Committee shall be responsible for publishing the journals of the Society.
- 2) The Technical Meeting Committee shall be responsible for operations relating to the holding of Annual Technical Meetings and other technical seminars/workshops.
- 3) The International Affairs Committee shall be responsible for operations relating to communication with foreign academic organizations.
- 4) The Awards Committee shall be responsible for operations relating to the Society's awards.
- 5) The Planning Committee shall be responsible for planning.
- 6) The Public Relations Committee shall be responsible for managing the website of the Society and operations related to public relations.
- 7) The General Affairs Committee shall be responsible for operations related to general affairs and documents.
- 8) The Accounting Committee shall be responsible for accounting and finance.

Article 46

The President may, where necessary, establish an

Ad-hoc Committee upon a resolution of the Board of Trustees.

Article 47

The chair and members of a committee shall be appointed by the President from among the Regular Members. The chair may nominate a vice chair from among the committee members where necessary, and the President shall appoint such person.

Chapter 8: Expert Sections

Article 48

The Society may establish Expert Sections for the purpose of advancement and dissemination of research and technology development in specific fields. The matters concerning Expert Sections shall be determined separately.

ELECTION RULES FOR THE TRUSTEES AND PRESIDENT

Established December 12, 1978

Revised October 23, 1989

Revised December 12, 1980

Revised October 7, 1997

Revised December 12, 1981

Revised October 19, 2017

Revised December 5, 1985

Chapter 1: General Provisions

Article 1

These Rules shall provide for the election of the Trustees and President based on the Society Bylaws.

Article 2

1. The President shall establish an Election Management Committee consisting of up to five members in order to manage the election at the time of each election.
2. The committee members shall be appointed by the President from among the Regular Members.
3. The committee shall appoint the chair from among themselves.

Article 3

The Election Management Committee shall conduct the following operations:

- 1) Implementation of the election of the Trustees
- 2) Implementation of the election of the President
- 3) Reporting on the election results

Chapter 2: Trustee Election

Article 4

The election of the Trustees shall be held through a secret ballot of the Regular Members.

Article 5

1. The election shall be held by specifying the voting deadline upon a resolution of the Board of Trustees in the year of election of the Officers.
2. The President shall send a notice of the election two months prior to the voting deadline either by email, a written notice by post, or a notice in the Society journal.

Article 6

1. Candidates shall be all Regular Members at the time of the notice in accordance with Article 18 of the Society Bylaws.
2. The Election Management Committee shall prepare a list giving the names and affiliations of the candidates and shall send the list by email or a written notice by post at least one month before the voting deadline to all Regular Members at the time of notice in accordance with Article 7 of the Society Bylaws.

Article 7

1. Voting shall be conducted through online voting or sending a ballot paper via post, using the list prescribed in Article 6, Paragraph 2. The voting which has been completed online or for which the ballot paper has been received by the voting deadline shall be deemed valid.
2. Voting shall be conducted by choosing up to 25 candidates.

Article 8

The persons with the most votes shall be the 25 successful candidates in descending order of

votes; provided, however, that if there is a tie, the oldest persons shall be successful candidates in descending order. Those coming after the successful candidates shall successively be runners-up. In the event of a vacancy in the post of a successful candidate, the runner-up shall become the successful candidate.

2. The Election Management Committee shall send a notice to the successful candidates immediately after the decision.

Chapter 3: President Election

Article 9

The election of the President shall be held through a secret ballot of the Trustees.

Article 10

1. The election shall be held with a voting period of at least two weeks after the date of the decision on the successful Trustees.

2. The Election Management Committee shall send a notice of the President Election to the successful Trustees by email.

Article 11

1. The candidates shall be subject to Article 19 of the Society Bylaws.

2. The Election Management Committee shall prepare a list giving the names and affiliations of the candidates, and shall send them to the successful Trustees at the same time as the notice of the President Election prescribed in Article 10, Paragraph 2.

Article 12

1. The voting shall be conducted through online communication using the list prescribed in

Article 11, Paragraph 2, and the votes which have been confirmed before the voting deadline shall be deemed valid.

2. Only one candidate's name shall be written in each ballot.

Article 13

1. The candidate who gains the majority vote among all the valid votes shall be the successful candidate.

2. However, if the number of votes of the candidate who gains the highest number of votes does not reach the majority of the total valid votes, a final voting shall be held between the top two. In addition, if the number of votes is a tie in the final voting, the older person shall be elected.

Chapter 4: Election Results

Article 14

The Election Management Committee shall report the results of the election at the General Meeting held immediately after the election.

GEOTHERMAL RESEARCH SOCIETY OF JAPAN AWARD RULES

Established January 22, 1985 Revised January 24, 2018

Article 1

These rules shall provide for the necessary matters relating to awards in accordance with Article 45 of the Society Bylaws.

Article 2

The Society shall establish the “Geothermal Research Society of Japan Awards” (hereinafter referred to as “Society Awards”). The Society Awards shall be the three awards of the Best Paper Award, Achievement Award, and Research Encouragement Award. The winners shall be limited to members of the Society.

Article 3

The Best Paper Award shall be given to authors who have published outstanding original papers on geothermal energy utilization in the publications of the Society.

Article 4

The Achievement Award shall be given to members who have made outstanding achievements in the development and utilization of geothermal energy.

Article 5

The Research Encouragement Award shall be given to researchers or engineers who have published outstanding original paper on geothermal energy utilization in the publications of the Society, and for whom there are great expectations in the future.

Article 6

Awards shall be certificates and commemorative gifts, and shall be given at the Annual General Meeting.

Article 7

The chair of the Awards Committee shall select the members of the committee, and assemble the committee upon the approval of the Board of Trustees. The term of office of the committee members shall be for two years.

Article 8

Regular Members may recommend candidates for selection. The selection of the candidates for the awards shall be conducted by the Awards Committee.

Article 9

The committee shall report the selection results of the candidates to the Board of Trustees and the Board of Trustees shall decide the winners based on the report.

Article 10

The operations of the committee shall be based on the internal regulations of the committee separately prescribed.

Article 11

Any changes to these rules shall require the approval of the Board of Trustees.

RULES ON DEDUCTION AND EXEMPTION OF MEMBERSHIP FEES

Established December 2, 1999

Revised November 8, 2013

Revised November 29, 2007

Revised April 24, 2017

Article 1

These rules shall provide for the measures on deduction and exemption of the membership fees based on Article 15, Paragraph 2 on the Society Bylaws.

Article 2

Of the Regular Members, graduate students, undergraduate students and other equivalent persons who submit proof of being a student (copy of student ID, etc.) in that fiscal year to the Society's Secretariat and who obtain confirmation from the General Affairs Committee may be eligible for the deduction measure of the membership fee.

Article 3

The annual membership fee defined by the deduction measure prescribed in Article 2 shall be 3,500 yen for the fiscal year.

Article 4

Of the Regular Members, those who are 65 years of age or older and who have been a member for 25 years or more may be eligible for the deduction measure of the membership fee through submitting a request to the Society's Secretariat and receiving the approval of the Board of Trustees.

Article 5

The annual membership fee defined by the deduction measure prescribed in Article 4 shall be 3,500 yen for the next and subsequent fiscal years after the approval.

Article 6

Any changes to these rules shall require the approval of the Board of Trustees.

RULES ON THE GEOTHERMAL RESEARCH SOCIETY OF JAPAN

EXPERT SECTIONS

Established December 4, 2001 Revised January 24, 2018

Article 1

These rules shall provide for the Expert Sections based on Article 48 of the Society Bylaws.

Article 2

1. The Regular Members of the Society may apply to the President for the establishment of an Expert Section.

2. When an application for the establishment of an Expert Section has been made, the President shall consult with the Board of Trustees as to whether it is appropriate to establish it and shall inform the applicant of the result.

Article 3

The Expert Section may implement the following projects in relation to the applicable field. The fiscal year of the Expert Section shall be the same as the fiscal year of the Society.

- 1) Surveys, research and information exchange
- 2) Holding of seminars, workshops, etc.
- 3) Publication of newsletters, etc.
- 4) Other matters necessary to achieve the objectives of the Expert Section

Article 4

The members of the Expert Section shall be members of the Society. In addition, the members of the Society may participate in the Expert Section.

Article 5

The Expert Section shall have one chairperson who shall act as its representative upon the approval of the Board of Trustees. The

chairperson shall be a Regular Member of the Society.

Article 6

In cases where the Expert Section establishes or makes changes to its individual rules, it shall obtain the approval of the Board of Trustees.

Article 7

1. The costs of the projects of the Expert Section shall be included in the budget plan of the Society; provided, however, that in cases of establishment in the middle of a fiscal year, the project costs may be paid from the reserve fund with the approval of the Board of Trustees.

2. The Expert Section may earn its own income in order to achieve the objectives of its projects.

3. The accounts for the Expert Section shall be for one single year, and the surpluses and deficits at the end of the fiscal year shall be incorporated into the Society's account.

Article 8

The annual business plan and budget plan of the Expert Section shall obtain the approval of the Board of Trustees. The settlement of accounts shall be subject to an audit by the Auditors and approval shall be obtained at the first Board of Trustees meeting after the end of the fiscal year together with the business report. In addition, upon a request from the President, the chairperson shall give a report on the status of activities to the President.

Article 9

The Board of Trustees may dissolve the Expert Section in case it falls under any of the following:

- 1) If an application for dissolution has been made by the Expert Section.
- 2) If it is judged that the Expert Section has not carried out any substantive activities for a period of two years.
- 3) When it is deemed that the activities of the

Expert Section have deviated from the objectives of the Society.

Article 10

Any changes to these rules shall require the approval of the Board of Trustees.

IGA EXPERT SECTION RULES

Established November 23, 2003

Article 1

These rules shall provide for the IGA Expert Section based on Article 6 of the Rules on the Geothermal Research Society of Japan Expert Sections (hereinafter referred to as “Rules”).

Article 2 (Objectives)

The IGA Expert Section, in collaboration with the International Geothermal Association (IGA), shall contribute to the advancement and dissemination of science and technology related to geothermal energy utilization, eventually mitigating energy and environmental problems, and improving people’s lives. Specifically, as an Expert Section, it will join the IGA as an Affiliated Organization, and conduct projects implemented by the IGA and related projects representing Japan, and serve as the contact point between the geothermal community in Japan and the IGA.

Article 3 (Establishment Period)

There shall be no establishment period for the Expert Section.

Article 4 (Projects)

The Expert Section shall conduct the following projects in order to achieve the objectives prescribed in Article 2:

- 1) It shall become an Affiliated Organization of the IGA representing the Society.
- 2) As an IGA member, it shall participate in IGA projects and conduct related domestic projects.
- 3) It shall work on international cooperation relating to geothermal energy utilization in

cooperation with the International Affairs Committee of the Society.

- 4) It shall provide information through the journals and the website of the Society, and publish books.

- 5) Other necessary projects to achieve its objectives.

Article 5 (Participation)

The members (Regular Members, Supporting Members, Honorary Members) of the Society may participate in the Expert Section or withdraw from the Expert Section by notifying in writing to the chairperson of the Expert Section.

Article 6 (Project Costs and Activity Costs)

1. The project costs and activity costs for the Expert Section shall comply with Article 7 of the Rules.

2. The Expert Section may earn its own income limited to the objectives of a specific project.

3. When necessary, the activity costs may be collected from the members of the Expert Section.

Article 7 (Chairperson and Secretaries)

1. The Expert Section shall have the chairperson and a number of secretaries.

2. The chairperson shall be a Regular Member of the Society.

3. The term of office of the chairperson shall be for two years; provided, however, that this shall not preclude his or her reappointment.

4. The chairperson shall be appointed from

among the Expert Section members; provided, however, that approval by the Board of Trustees is required.

5. The secretaries shall be appointed by the chairperson from among the Expert Section members. Where necessary, a vice chairperson of the Expert Section may be appointed by the chairperson from among the Expert Section members.

Article 8 (Projects, Accounts and Reports)

1. The Expert Section shall carry out various projects set forth in Article 4 of these rules and where necessary, shall give an opinion to the Board of Trustees.

2. The fiscal year of the Expert Section shall start on October 1 every year and end on September 30 of the following year.

3. All work related to the operations of the Expert Section shall, in general, be performed by the Expert Section.

4. The annual business plan and budget plan of the Expert Section shall obtain an approval of the Board of Trustees. In addition, the business report and account settlement shall be submitted to the first Board of Trustees meeting after the end of the fiscal year of the Society and shall be subject to approval.

Article 9 (Dissolution)

The Expert Section may request dissolution to the President through the agreement of a majority of its members.

Article 10 (Supplementary Provisions)

1. These rules shall enter into effect from November 23, 2003.

2. Any changes to these rules shall require the

approval of the Board of Trustees.

3. Notwithstanding Article 5 of these rules, the members at the time of inception shall be deemed to be the members of the Expert Section consisting of Establishment Preparation Committee members and attendees of the Initial General Meeting of the Expert Section.

RULES ON THE JAPAN YOUNG GEOTHERMAL NETWORK (JYG-Net)

EXPERT SECTION

Established August 9, 2016

Revised January 24, 2018

Revised July 26, 2017

Article 1

These rules shall provide for the Expert Section of the Japan Young Geothermal Network (JYG-Net) based on Article 6 of the Rules on the Geothermal Research Society of Japan Expert Subcommittees (hereinafter referred to as “Rules”).

Article 2 (Objectives)

The objectives of the Expert Section shall be to implement the exchanges of young people who will lead the future activities of the Geothermal Research Society of Japan, and to strengthen their connections. It shall share information and mutual understanding among young people, develop human resources, and contribute to the development and dissemination of science and technology relating to geothermal energy utilization, contributing to eventually mitigating energy problems and environmental problems.

Article 3 (Establishment Period)

There shall be no establishment period for the Expert Section.

Article 4 (Projects)

The Expert Section shall conduct the following projects in order to achieve the objectives of Article 2 of these rules:

- 1) It shall periodically digitally publish the information magazines of the Expert Section for its members.
- 2) It shall hold luncheons and technical

gatherings at the Society’s Annual Technical Meeting.

- 3) It shall hold seminars and workshops for young people.
- 4) It shall endeavor to promote exchanges among young people in the field of geothermal, or energy and the environment in Japan and abroad.
- 5) It shall report its activities through the journals of the Society.
- 6) It shall conduct other necessary projects to achieve its objectives.

Article 5 (Participation Requirements)

1. Regular Members of the Society (including students) who are 45 years of age or younger.
2. The Regular Members may join or withdraw from Expert Section by submitting an application form to the officers of the Expert Section.
3. Any member who falls under one of the following items may be expelled through a resolution of the executive committee.
 - 1) A person who has been found to have interfered with the projects of the Section or to have committed an act dishonoring the name of the Section
 - 2) A person who has been expelled from the Society

Article 6 (Project Costs and Activity Costs)

1. The project costs and activity costs for the Expert Section shall comply with Article 7 of the Rules.
2. The Expert Section may earn its own income

limited to the objectives of a specific project.

3. When necessary, the activity costs may be collected from the members of the Expert Section.

Article 7 (Chairperson and Secretaries)

1. The Expert Section shall have a chairperson and a number of vice-chairpersons, treasurers and secretaries.

2. The chairperson shall be a Regular Member of the Society. (Article 5 of the Rules)

3. The term of office of the chairperson shall be for two years; provided, however, that this shall not preclude his or her reappointment.

4. The chairperson shall be appointed from among the Expert Section members; provided, however, that approval by the Board of Trustees is required (Article 5 of the Rules), and the President shall appoint him or her.

5. The vice-chairperson and the treasurer shall be Regular Members of the Society, and the chairperson shall appoint them.

6. The secretaries shall be Regular Members of the Society (including students), and the chairperson shall appoint them.

Article 8 (Projects, Accounts and Reports)

1. The Expert Section shall carry out the various projects set forth in Article 4 of these rules and

where necessary, shall give an opinion to the Board of Trustees about the projects.

2. The fiscal year of the Expert Section shall start on October 1 every year and end on September 30 of the following year. (Article 3 of the Rules)

3. All works related to the operations of the Expert Section shall, in general, be performed by the Expert Section.

4. The annual business plan and budget plan of the Expert Section shall obtain the approval of the Board of Trustees. In addition, the business report and the settlement of the accounts shall be submitted to the first Board of Trustees meeting after the end of the fiscal year of the Society and shall be subject to approval. (Article 8 of the Rules)

Article 9 (Dissolution)

The Expert Section may request dissolution to the President through the agreement of a majority of its members.

Article 10 (Supplementary Provisions)

1. These rules shall enter into effect from April 7, 2016.

2. Any changes to these rules shall require the approval of the Board of Trustees. (Article 6 of the Rules)