

ILASS International The Institutes for Liquid Atomization and Spray Systems Constitution of the ILASS International Council

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1 Preamble

The International Council of Institutes for Liquid Atomization and Spray Systems (hereafter ILASS International) is an international non-profit educational and scientific association whose purpose is to promote the multidisciplinary science and application of liquid atomization and spray systems for the benefit of society. Related topics such as fluid dynamics, drop physics, liquid interfaces, cavitation, combustion, and multi-phase flows are considered non-exhaustive examples of collateral research and industrial themes of interest for ILASS International.

ILASS International was informally incorporated in 1991 in the US, coordinating the Regional Institutes in the US, Japan, and Europe. Over the years, ILASS International has grown and is now structured as three Regional Institutes for Liquid Atomization and Spray Systems (hereafter Regional Institutes): ILASS Americas, ILASS Asia, and ILASS Europe. Additionally, at the time of the present constitution's instatement, there

are six Sections: ILASS-Japan, ILASS-Korea, ILASS-Taiwan, ILASS-China, ILASS-India and ILASS-Hong Kong, all associated with ILASS Asia.

ILASS International is organized as a confederation of the three Regional Institutes and national or supranational Sections associated with one of the Regional Institutes, whose joint activities are managed by three Officers (Executive Committee) and the ILASS International Committee (IIC). The joint activities have traditionally included the International Conference on Liquid Atomization and Spray Systems (ICLASS), held every three years in a rotation of organizational duties among the three Regional Institutes, a recognized journal in the field (*Atomization and Sprays* published by Begell House), and may extend to activities such as publications, industrial outreach, training courses, academic courses, and other professional activities.

The present Constitution aims to establish a formal framework for the activities of ILASS International for the coming decades, accommodating future developments. The Constitution ensures that, while the Regional Institutes maintain their independence and individual regulations, they function within a coordinated network, enhancing both academic and industrial visibility and collaboration.

2 Purpose and Scope

2.1 Purpose

The purpose of ILASS International is to promote at an international level any action to diffuse science and technology in the field of atomization and sprays, enhance the impact of research and development, support the link with industry, and promote technology transfer between academia and industry.

Unless otherwise determined by resolution of the IIC, ILASS International shall:

1. Facilitate interaction between the Regional Institutes and Sections.
2. Provide awareness of Regional Institute constitutions and best practices.
3. Provide guidance and suggestions on the ICLASS venue and timing.
4. Oversee the publication of a journal representing all ILASS entities.
5. Assist in the creation and support of new ILASS Sections.
6. Assist Industrial Board activities and industrial engagement.
7. Assist in data exchange, website maintenance, and social media presence following data protection regulations.
8. Administer an ILASS Fellowship program recognizing research and service excellence.

ILASS International Governance Structure

ILASS International Committee (IIC)

Voting Members

- **Executive Committee:** President, Vice President, Secretary
- **Representatives:** 3 Representatives per Regional Institute
- **Industrial Board:** Industrial Board Chair

Non-Voting Members

- Up to 3 Advisory, Non-Voting Members
- Industrial Boards, Journal Editors
- ILASS Fellows (Previous Executives, Outstanding Scientists)

Regional Institutes

ILASS Americas

Executive Board

- President
- Vice-President
- Secretary • Treasurer

Committee

- All Board Members

 Sections: ILASS Brasil, Others

ILASS Europe

Executive Board

- President
- Vice-President
- Secretary
-  Treasurer

Committee

- All Board Members

 Sections: ILASS Nigeria, Others

ILASS Asia

Executive Board

- President
- Vice-President
- Secretary

Committee

- All Board Members

 Sections: ILASS Japan, Korea, China, Taiwan, India, Hong Kong

Figure 1: The ILASS International Organization. The Regional Sections for ILASS AMERICAS and ILASS EUROPE are intended as exemplary.

3 Organizational Structure

3.1 Overview

ILASS International operates as a confederation of ILASS Americas, ILASS Asia, and ILASS Europe. Each Regional Institute maintains its own internal governance and financial rules consistent with this Constitution. National or supranational Sections operate under their parent Regional Institute.

3.2 Executive Committee: Officers

The Officers of ILASS International are the President, Vice-President, and Secretary. These roles are volunteer positions without salary. The Officers constitute the Executive Committee of the IIC.

ICLASS Conference	Location ICLASS	Term Year	President	Vice-Pres.	Secretary
		Begins	1x3 years	1x3 years	1x3 years
15th ICLASS	Edinburgh (virtual)	2021 2022 2023	Min Xu o o	Lyle Pickett o o	Lyle Pickett o o
16th ICLASS	Shanghai	2024 2025 2026	Marco o o	Akira Sou o o	Lyle Pickett o o
17th ICLASS	Miami	2027 2028 2029	Asia o o	Americas o o	Europe o o
18th ICLASS	Europe	2030 2031 2032	Americas o o	Europe o o	Asia o o
19th ICLASS	Asia	2033 2034 2035	Europe o o	Asia o o	Americas o o

*New Board of Officers member are appointed AFTER the meeting in the year listed.

Figure 2: Example Officer rotation with terms beginning at the end of each ICLASS.

3.2.1 Term of Office and Election

The term of office is three years, starting and ending at the conclusion of the triennial ICLASS. Officers may serve at most three consecutive terms but may not serve consecutive terms in the same role.

Each Regional Institute provides exactly one Officer. Officers are elected by the Regional Institute Representatives at the IIC meeting held during ICLASS.

3.2.2 President

The President chairs the IIC, calls meetings through the Secretary, presides at the Triennial General Assembly (TGA), manages ILASS International operations, ensures implementation of IIC resolutions, and reports on activities at the TGA.

3.2.3 Vice-President

The Vice-President assumes Presidential duties when needed and is responsible for communications, including website oversight, social media, and external communications. The Vice-President coordinates with the Regional Institutes regarding website hosting and maintenance.

3.2.4 Secretary

The Secretary maintains minutes of all meetings, issues notices, and oversees the electronic business office where official records are stored. Passwords for the business

office are shared among the Officers. The Secretary maintains the Policy Log of established procedures.

3.2.5 Presidential Succession in Case of Vacancy

If the Presidency is vacated, the Vice-President immediately assumes the Presidency for the remainder of the term. The IIC elects a new Vice-President as soon as possible. If less than half a term remains, the new President and Vice-President may be eligible for one additional full term.

3.3 ILASS International Committee (IIC)

The IIC consists of the three Officers, three representatives per Regional Institute, the Chair of the Industrial Board, and up to three advisory non-voting members appointed by the Officers.

3.3.1 Purpose

The IIC is the central governing body of ILASS International. It supports ILASS activities, oversees compliance with this Constitution, recommends corrective actions when necessary, and administers the ILASS Fellowship program.

3.3.2 Term of Office and Election

Representatives serve three-year terms beginning at the start of ICLASS. They may serve at most two consecutive terms.

Each Regional Institute elects three representatives at least two weeks before ICLASS and communicates their names to the Secretary.

The Industrial Board Chair serves a three-year term beginning at the end of ICLASS. Advisory members serve three-year terms and may serve at most two consecutive terms.

3.3.3 Duties of the Representatives

Representatives report annually on their Regional Institute's activities.

3.3.4 Evaluation of Executive Committee Activities

Representatives may evaluate Officer performance at any time. If an Officer is determined to be insufficiently fulfilling responsibilities, Representatives may call a special meeting (quorum: nine Representatives). By a two-thirds vote, the IIC may declare the early termination of an Officer's term. The relevant Regional Institute nominates a replacement, subject to IIC majority approval.

3.3.5 Meetings

The IIC meets remotely at least once per year and in person at ICLASS. Special meetings may be called by the President or by two-thirds of voting members. Quorum is two-thirds of voting members.

3.4 Industrial Board (IB)

3.4.1 Purpose

The Industrial Board promotes ILASS engagement with industry, organizes industrial events, encourages industrial participation in ILASS conferences, and supports knowledge transfer between academia and industry.

3.4.2 Organization

The IB is chaired by the Industrial Board Chair, who is a voting member of the IIC. The IIC approves IB By-Laws where applicable.

3.4.3 Membership

Membership has no fixed size or term limit. The Executive Committee approves applications. It is recommended that each Regional Institute have one academic member serving on the IB.

3.5 Regional Institutes

The three Regional Institutes must maintain constitutions aligned with this Constitution. Adding a new Regional Institute requires a formal amendment (see Section 6).

3.5.1 Purpose

Regional Institutes promote regional scientific and industrial engagement, organize conferences, awards, advanced courses, and select representatives and Officer candidates as required.

Each Regional Institute must communicate changes in its officers or governing board within four weeks. It must also report annually the officers of all its Sections.

3.5.2 Sections

Sections organize national or supranational ILASS activities consistent with Regional and International purposes.

3.5.2.1 Formation Applications for Section membership must include:

1. Officer names and affiliations,
2. At least six members and their affiliations,
3. Section by-laws,
4. Evidence of ILASS-related activity.

Approval requires majority approval by the Regional Institute and majority approval by the IIC.

3.5.2.2 Obligation Sections must report changes to their by-laws or officers to their Regional Institute within four weeks.

3.6 Scientific Journal

3.6.1 Purpose

ILASS International promotes the scientific journal *Atomization and Sprays*. The journal publishes high-quality experimental, theoretical, and computational research.

3.6.2 Regional Editors

Three Regional Editors (one per Regional Institute) serve staggered six-year terms, renewable once. Regional Institutes nominate candidates; the IIC selects one by majority vote for forwarding to the publisher.

3.6.3 Editorial Policies

Regional Editors, with the President, liaise with the publisher. Editors update the IIC annually on journal status.

3.7 ILASS Fellows

3.7.1 Purpose

The ILASS Fellowship recognizes individuals who have made significant scientific, technological, or service contributions to the atomization and sprays community.

3.7.2 Selection

The IIC establishes procedures for nomination and selection.

4 Procedures

4.1 Membership in ILASS International

ILASS International has no individual membership. Membership exists at the Regional Institute or Section level.

4.2 General Assembly

A Triennial General Assembly (TGA) is held during each ICLASS.

4.3 Financial Organization

ILASS International has no budget or bank account. Regions typically waive registration fees for Officers performing ILASS International business. The President's Regional Institute funds basic operational expenses such as the website.

5 Ethical Standards

5.1 Conflicts of Interest

Responsible Parties must avoid conflicts of interest.

5.1.1 Material Conflicts

Any Responsible Party affiliated with an organization benefiting from ILASS decisions must disclose such affiliation and recuse themselves from related decisions. Advertisement lists may not be used for personal purposes; membership lists may only be used for officially approved activities.

5.1.2 Responsibility of Recusal

Conflicts must be disclosed to the President, and affected members must abstain from voting.

5.1.3 Procedures

Responsible Parties shall review this policy prior to each ICLASS and upon election.

6 Amendments

Amendments to this Constitution require a two-thirds vote of the IIC.

NOT PART OF THE CONSTITUTION

7 Policy Log (Informative Only)

7.1 Social Media Management

1. The Vice-President maintains ILASS International social media profiles.
2. Content must be professional and aligned with ILASS values.
3. Access is restricted to authorized personnel; periodic audits are required.
4. The Vice-President monitors global communication effectiveness and reports annually.

7.2 Communication Protocols

1. Internal communications use secure channels.
2. External communications require Vice-President approval.

7.3 Data Management

1. Data collection follows minimization principles.
2. Data is stored securely in the electronic business office.
3. Access is role-based.
4. Data retention follows legal and operational requirements.
5. ILASS International complies with GDPR and other applicable laws.