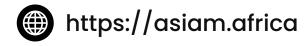


AFRICAN SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS (ASIAM)

BYLAW

DECEMBER 2024









Article I: Name and Purpose

This section outlines the formal identification and core mission of ASIAM. It emphasizes the organization's objective to unify the African mathematical community and promote applied mathematics through collaboration with industry and academia. This helps ensure the long-term sustainability of the organization's activities and establishes its role in the global mathematical landscape.

Mission and Vision: ASIAM's role is to promote the application of mathematics to solve real-world challenges in Africa. By doing so, the society aims to uplift the continent's scientific and technological capacity.

Article II: Membership

This section addresses the criteria and responsibilities for membership. The establishment of **Honorary Membership** recognizes individuals who have made significant contributions to mathematics and ASIAM's mission. By including institutional membership, ASIAM broadens its reach to universities and research centers that play a crucial role in the development of applied mathematics.

• Member Engagement: Membership benefits include access to resources such as conferences, workshops, and special programs like the Miss Mathematica Africa initiative. Members can also take part in shaping the society's initiatives and decision-making processes.





Article III: Governance and Leadership Structure

The governance structure ensures that ASIAM remains democratic, with the General Assembly serving as the highest decision-making body. This section emphasizes the role of the Executive Committee in implementing policies and managing day-to-day operations.

- Leadership Appointment: By ensuring a 10-year initial period of appointed leaders for executives and regional presidents only, ASIAM aims to create a strong base for its activities, setting precedents for future elected leadership.
 National Presidents will serve for two-year terms, while National Chapter members will serve for one-year terms, both renewable based on performance and organizational needs.
- Leadership Roles: Leadership positions are defined as executives and regional presidents only. These roles are critical for overseeing and driving ASIAM's vision at both the continental and regional levels.
- Leadership Responsibilities: Regional Presidents are tasked with ensuring effective coordination between national chapters and the executive body. They also provide oversight and support for national-level initiatives, ensuring alignment with ASIAM's broader goals.

Article IV: Commissions and Committees

- Youth Commission: The Miss Mathematica Africa initiative plays an important role within the Youth Commission. By spotlighting young women in mathematics, the initiative encourages more participation and highlights the achievements of young African mathematicians.
- Research and Innovation: The Research and Innovation Commission ensures that ASIAM stays at the forefront of cutting-edge mathematical research. The involvement of academia, government, and industry helps identify research gaps and fosters applied solutions to societal problems.





- Industrial Commission: This commission aims to strengthen the link between mathematics and industry. Through this collaboration, ASIAM can support real-world applications of mathematical theory, fostering practical solutions to African challenges.
- Fund Raising and Media Commission: The Fundraising and Media Commission ensures ASIAM's financial sustainability and visibility. It secures funds through donor engagement, sponsorships, and fundraising events while promoting ASIAM's mission through strategic media campaigns and impactful content creation.
- Women in Mathematics Commission: The Women in Mathematics Commission promotes the participation and achievements of African women in mathematics. It fosters mentorship, supports career development, and highlights the impact of women mathematicians through programs, networks, and initiatives that inspire the next generation.
- Mathematics in Artificial Intelligence and Machine Learning Commission: The Mathematics in Artificial Intelligence and Machine Learning Commission drives innovation by advancing the mathematical foundations of AI and ML. It focuses on algorithm development, AI applications for social good, healthcare, and governance, while fostering ethical practices, model validation, and workforce development. Special attention is given to addressing African challenges, including natural language processing for African languages.
- Diaspora Commission: The Diaspora Commission strengthens ties between African mathematicians abroad and their home countries. It fosters collaboration on research, education, and community development while promoting knowledge transfer through virtual events and mentorship programs. The commission advocates for diaspora engagement in Africa's development and supports their professional growth by providing resources, networking opportunities, and platforms for cultural and scientific exchange.



- Mathematics Education and Teacher Capacity Building Commission: The Mathematics Education and Teacher Capacity Building Commission focuses on transforming mathematics education across Africa. It leads curriculum reform, develops open-access resources, and promotes online learning to reach underserved areas. The commission supports teacher professional networks, leadership programs, and training initiatives while inspiring students through competitions and advocating for early math education. Additionally, it emphasizes lifelong learning and conducts impact assessments to ensure the effectiveness of educational initiatives.
- Mathematics in Engineering and Technology Commission: The Mathematics in Engineering and Technology Commission bridges mathematics with engineering and technology advancements. It promotes research in smart systems, renewable energy, and computational fluid dynamics while supporting disaster management and infrastructure development. The commission also fosters optimization in manufacturing, sustainability in engineering, and the commercialization of mathematical innovations for practical applications.

Article V: Meetings

- General Assembly: The provision for annual meetings ensures regular and transparent communication between leadership and members. During these meetings, members review the progress of ASIAM's activities, set new policies, and hold the leadership accountable.
- International and National Conferences: Conferences provide members with opportunities to present their research, engage with experts, and build collaborative relationships. The International Conference serves as a major biennial event that gathers global talent in applied mathematics, while National Conferences ensure the dissemination of mathematical knowledge on a more localized level. These events also allow ASIAM to demonstrate its impact on both the local and international mathematical communities.



hello@asiam.africa
https://asiam.africa

Article VI: Financial Management

- Sustainable Funding: ASIAM's focus on diverse funding sources, including membership dues, grants, and partnerships, ensures financial sustainability. The inclusion of independent audits promotes transparency and trust among members.
- Strategic Spending: The annual budget proposed by the Executive Committee and approved by the General Assembly ensures that ASIAM can allocate resources effectively to its programs and initiatives, particularly in organizing events like conferences and outreach programs.

Article VII: Amendments

This section allows for changes to the bylaws, ensuring that ASIAM remains flexible and adaptable to new circumstances or evolving goals. A two-thirds majority ensures that proposed amendments are widely supported.

Article VIII: Dispute Resolution

- Mediation Process: ASIAM prioritizes fair conflict resolution, and its use of mediation offers a peaceful alternative to litigation. This mechanism helps maintain a collaborative environment, which is essential in a large and diverse organization.
- Membership Termination: While members must adhere to the bylaws, there is also an emphasis on fairness in terminating memberships, ensuring that due process is followed.





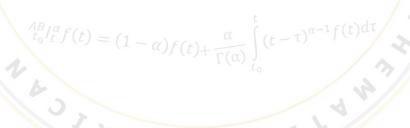
Conferences as Key Drivers of Knowledge Sharing

The inclusion of biennial international conferences and national conferences in the bylaws ensures that ASIAM serves as a dynamic platform for knowledge exchange. These events will showcase the latest advancements in industrial and applied mathematics and provide opportunities for networking, which is key to the growth and development of the African mathematical community.

National conferences will focus on issues of local importance, such as national mathematical challenges, educational reforms, and collaborations with industry, ensuring that ASIAM remains relevant to each country's unique needs.

Conclusion

This bylaw provides a comprehensive framework for ASIAM's operations and governance, from leadership structure to funding and conflict resolution. It supports the long-term vision of making ASIAM a leading force in industrial and applied mathematics in Africa while ensuring stability and fairness in its leadership transition.







Limited

POWER OF ATTORNEY / MANDATE FOR REGISTRATION OF A COMPANY

I/We the undersigned hereby nominate, constitute and appoint

BusinessNeeds Online, Dieter Munnik, Natashia Munnik

with power of substitution, to be my/our lawful representative in my/our name,place and stead,

to register on my / our behalf a Company with the name:

AFRICAN SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

or any other name that the Registrar of Companies may approve, to sign all relevant forms and to do anything neccessary or expedient to the registration of, or amendments to the Company.

| Director | Surname | Full Names | ID Number | Signature |
|----------|-----------------|-------------------|----------------|-----------|
| 1 | ATANGANA | ABDON | 85100164123188 | Abrogen |
| 2 | OLUWOLE MAKINDE | DANIEL | 6712126508088 | and) |
| 3 | MAGAU | HANGWELANI | 9207255177083 | C Inches |
| | | | | |

I / We the above signed Director(s) also confirm with my / our signature(s) hereto that I / We qualify to be Director(s) of the company, and that my /our membership is / are not in conflict with the Companies Act

PLEASE NOTE:

This form must be **SIGNED** by each Director

Please Whatsapp or Email the following to us:

Whatsapp: 065 865 0145 Email: docs@businessneeds.co.za

* Please be sure that emails are less than 5MB Our Reference: 240919/PTY/141962