

December 2025

Edition 2 of 2025



PAN AFRICAN SOCIETY FOR
AGRICULTURAL ENGINEERING

Pan African Society for Agricultural Engineering Newsletter

Promoting and Advancing the
Profession of Agricultural
Engineering in Africa!





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President's Address

I welcome you all, members of PASAE, other readers and the general public, to this year-end edition of the PASAE Newsletter.

As we continue to strengthen the outlook for the practice and application of engineering to uplift the African Agrifood system, we call upon you to join us. If you missed being with us in Fes, Morocco for the 7th PASAE conference, this edition of our Newsletter provides you with the opportunity to catch a glimpse of what went on. It was a thoroughly thrilling outing for PASAE, as you will find out. The historic city of Fes, reputed to have hosted the first university in the world, the Al-Qarawiyyin University, provided a great setting for the convening, which embodied the strategy of PASAE to journey along in collaboration with allied co-travellers who share the same aspirations and goals of transformative engagement with the African Agrifood system. These include the American Society of Agricultural and Biological Engineers through its Alliance for Modernizing African Agrifood system (ASABE/AMAA), and a host of others such as ICID, AfDB, FAO, WWC, IDRA, etc. The significance of what transpired in Fes will soon unfold.



For us in PASAE, we are committed to ensuring food security and sovereignty in Africa, by combating the age-long challenges of African agriculture. In this regard, we cherish the partnership of all our supporters to leverage all our strength to work together in line with SDG 17, to help Africa to achieve the lofty aspirations and goals of Agenda 2063; the Africa we want. In PASAE, we do not “work/walk” alone; the more the merrier. In Fes, our city tour yielded the confirmation of the university reputed and recognized by UNESCO to be the oldest in the world.

The edition is not only about what happened in Fes, you will also learn that after Fes, we shall proceed to Addis Ababa in 2026 to deepen our engagement, together with all our partners. We shall showcase the progress with our farm lab model, a practical implementation of our collaboration with AMAA and the Regenerators, which started in Grabouw, South Africa last year.

Also, apart from the above regenerative conservation agriculture partnership, you will also learn that PASAE has secured an ISO (International Standards Organization) liaison status, which enables us to be an active member of ISO 347 Committee on “Data-driven agrifood systems”. Members are invited to learn more of the corporate and individual benefits of this membership, and get involved to horn their expertise in the development of engineering standards and their protocols. So many subcommittees of ISO need active members.



The Editorial Committee did not fail to let readers know that PASAE represents and is comprised of national professional Ag-Engineering bodies in Africa, hence enjoy the features from KeSABAE inviting you to 2026, and NIAE informing you of their great and highly successful maiden Ag Machinery show in November 2025. If you are not a member yet, certainly your experience with this edition will entice you to come along. For you to get on the membership journey, see the closing pages.

Bravo, our Newsletter Team.



Michael Faborode, FAEng, FiAABE, FAEEA, FNSE, FNIAE, FPASAE
President, PASAE
Professor of Agricultural Engineering, & 9th Vice Chancellor
(2006-2011),
Obafemi Awolowo University, Ile-Ife, Nigeria.

7th Conference the Pan African Society for Agricultural Engineering



ASABE
American Society of Agricultural
and Biological Engineers



المملكة المغربية
ROYAUME DU MAROC
وزارة الفلاحة والصيد البحري
والتربية الفوقية والمياه والغابات
Ministère de l'Agriculture, de la Pêche Maritime
du Développement Rural et des Eaux et Forêts



Alliance for
Modernizing African
Agrifood Systems
ASABE



PAN AFRICAN SOCIETY FOR
AGRICULTURAL ENGINEERING

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7th Conference of the Pan African
Society for Agricultural Engineering



Water
Institute



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7th PASAE Conference (ANAFIDE-PASAE) 2025

7th PASAE Conference (ANAFIDE-PASAE) 2025

A Resounding Success: 7th PASAE-ANAFIDE Conference Concludes in Fes, Morocco.

The 7th PASAE-ANAFIDE Conference, held from 22 to 24 October 2025, in Fes, Morocco, has come to a close, leaving behind a trail of success and inspiration. The conference, themed "Water Management for a Sustainable and Resilient Agriculture in Africa," brought together esteemed delegates, renowned speakers, and partners from across the globe to discuss the critical role of water management in shaping the future of agriculture in Africa.

A World-Class Lineup of Speakers

The conference featured a stellar lineup of keynote speakers, including Mr. Ahmed El Bouari, Mr. Aziz Fertahi, Mr. Louie Fauchon, Prof. Michael Faborode, Dr. Ragab Ragab, Dr. Lalite Verma, and Mr. Felix Reinders, who shared their expertise on water management and Agricultural Engineering. The sessions provided a platform for delegates to engage in discussions and share knowledge on various aspects of agricultural engineering, covering topics such as irrigation management, water conservation, and sustainable agriculture practices.

7th PASAE Conference (ANAFIDE-PASAE) 2025

A Wealth of Knowledge Shared

The conference had a great number of topical and fascinating papers on display, with 80 papers presented during the conference, covering a variety of aspects within water management, sustainability, and agriculture. The papers were presented in parallel sessions, with some presented virtually, ensuring that delegates had access to a wide range of perspectives and expertise.

Celebrating Excellence

The conference dinner, held on the evening of October 23rd, was a celebratory evening that recognized the efforts of those who made the conference a success. The dinner was an opportunity for delegates to network and socialize in a relaxed atmosphere, and it culminated in an awards ceremony to honour those who made significant contributions to the conference. The evening also provided a platform for the honouring and appreciation of PASAE members who were awarded their Fellowship Membership status for their exemplary and remarkable contributions to the field of Agricultural Engineering.

7th PASAE Conference (ANAFIDE-PASAE) 2025

Technical Visits

Technical visits, including the Saiss Irrigation Project and Wastewater Treatment and Reuse, took place on the 24th of October, providing delegates with hands-on experience and insight into innovative agricultural engineering practices.

Global Representation

The conference saw an impressive attendance of 263 delegates from across the world, with 228 delegates from Africa, 37 from North America, 6 from Europe, and 2 from Asia. Additionally, 459 virtual participants joined the conference, making it a truly global event.

A Resounding Success

We congratulate the organizers and participants for making the 7th PASAE-ANAFIDE Conference a resounding success. The event provided a unique platform for knowledge sharing, networking, and collaboration, and we are confident that it will have a lasting impact on the field of Agricultural Engineering.



7th PASAE Conference (ANAFIDE-PASAE) 2025

Special Thanks

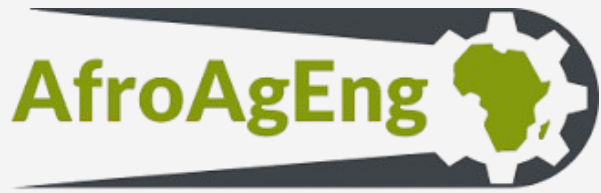
We would like to give a special thank you to Mr. Aziz Fertahi, President of ANAFIDE and Honorary Vice President of ICID, for his outstanding support and leadership in Agricultural Engineering in Africa, and for organizing a very successful 7th PASAE Conference. We also extend our gratitude to Professor. El Houssine Bartali for his pivotal and instrumental role along with all members of the Conference Organization Committee (COC), in ensuring the immaculate running and hosting of the conference.

PASAE Professional Exhibition Stand

The PASAE Exhibition Stand was a highlight of the conference, effectively showcasing the society's mission and objectives to a global audience. The stand was a hub of activity, attracting delegates with its vibrant display of promotional materials, and was manned by Mr. Senzo Masikane and Ms. Londiwe Mbambo.

Conclusion

The 7th PASAE-ANAFIDE Conference has set a new benchmark for conferences in the field of Agricultural Engineering. We look forward to building on the momentum generated by this event and continuing to work towards a sustainable and resilient agriculture in Africa.



PAN AFRICAN SOCIETY FOR
AGRICULTURAL ENGINEERING





KeSEBAE Conference 2026

The Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE) invites engineers, researchers, practitioners, students, and industry experts to submit abstracts for the 2026 Annual Conference, taking place from Tuesday 24 to Friday 27 March 2026 at the University of Nairobi, Kenya.

Theme: *"Artificial Intelligence for the Transformation of Agriculture, Industry, Infrastructure and the Environment"*.

This conference explores how AI-driven innovations are shaping the future of engineering and development across Africa. The conference sub-themes include:

- AI-driven transformation of agricultural systems
- Resilient infrastructure for sustainable development
- Engineering solutions for climate change and environmental management
- Energy systems transformation
- Industrial engineering advancements
- Biomedical engineering innovations
- Engineering training in the era of AI





KeSEBAE Conference 2026

Important Dates:

- Abstract Submission: 31 January 2026
- PowerPoint Submission: 28 February 2026
- Full Paper Submission: 13 March 2026



KeSEBAE encourages the submission of original work contributing to knowledge, practice, and policy in engineering and technology. For guidelines and enquiries, visit www.kesebae.or.ke or contact 0788712156. Submit all writings to info@kesebae.or.ke.

Join the conversation on how AI is transforming the future of engineering and development in Africa. We look forward to your submissions!





PASAE Fellowship Membership

PASAE Fellowship Membership

We are pleased to announce a significant milestone in the history of the Pan African Society of Agricultural Engineering (PASAE)!

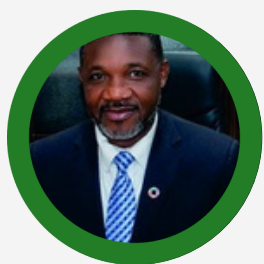
As per the decision of the 15th Council Meeting, we are proud to induct esteemed members who have made exceptional contributions to Agricultural Engineering as Honorary Fellows.

As outlined in the PASAE Constitution, Articles 4.1(vii) and 9(i), this honor is bestowed upon individuals who have demonstrated remarkable dedication and service to the profession. We pay tribute to our pioneer members who have established and nurtured PASAE and have continued to serve the organization and the profession with distinction.

We are honored to announce that these exceptional individuals have been recognized at the recently concluded 7th PASAE Conference in Morocco, Fez and University of KwaZulu-Natal Agricultural Engineering Anniversary Event in South Africa, Hilton, respectively. Please join us in celebrating their achievements and contributions to Agricultural Engineering!

PASAE Fellowship Membership

Below are the faces and names of the PASAE members that the current PASAE Council have unanimously decided to confer with the PASAE Fellowship Membership Grade:



Prof. L. Opara



Prof. J. Smithers



Prof. E.H. Bartali



Prof. M. Faborode



Prof. E. Bobobee



PAN AFRICAN SOCIETY FOR
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Prof. N. Banadda



Prof. L. Gumbe



Prof. F. Alonge



Prof. A. Taylor



Prof. B. Adewumi

Please click on the below link to access the PASAE Fellowship Membership Article.

-Article Link: [PASAE Fellowship Membership Article 2025.pdf](#)





PASAE - ISO Technical Committee 347 (ISO/TC347)

PASAE has achieved a significant milestone by gaining Liaison Status with the International Standards Organization (ISO) Technical Committee 347 on Data Driven AgriFood Systems (ISO/TC347). This prestigious involvement enables PASAE to contribute to shaping the AgriFood Ecosystem, initiate standards, and participate in global standard development.

Key Benefits of PASAE's Involvement:

- **Increased Visibility:** PASAE's participation in ISO/TC347 elevates its profile in the international Agricultural Engineering community.
- **Standardization Leadership:** PASAE will play a crucial role in developing standards for data-driven agrifood systems, enhancing Africa's agricultural sector.
- **Global Collaboration:** PASAE will engage with international experts, fostering partnerships and knowledge sharing.

This achievement underscores PASAE's commitment to advancing Agricultural Engineering in Africa and globally.

We look forward to the impact of PASAE's involvement!



PASAE and SAIAE Collaborative Member Engagement and Diversity and Inclusivity Workshop

Edition 2 of 2025



PASAE and SAIAE Collaborative Member Engagement and Diversity and Inclusivity Workshop

The South African Institute of Agricultural Engineers (SAIAE) and the Pan African Society of Agricultural Engineers (PASAE) recently co-hosted a collaborative workshop, "Fostering Inclusive Environments and Enhancing Member Engagement in Agricultural Engineering Professional Bodies," which was held in two sessions on August 28, 2025, and October 2, 2025.

A Gathering of Minds

The workshop brought together delegates from six African countries, including Cameroon, Kenya, Ghana, Nigeria, South Africa, and Uganda, to discuss the importance of member engagement and diversity and inclusivity within Agricultural Engineering Professional Bodies (AgEng PEBs). The interactive sessions, facilitated by Ms. Ipeleng Maroo-Maseko, encouraged delegates to share their experiences and insights, leading to a rich exchange of ideas and perspectives.



Key Outcomes

The workshop achieved its objectives, yielding key outcomes such as:

- Deeper understanding of diversity and inclusivity: Participants gained a better understanding of the importance of diversity and inclusivity in Agricultural Engineering Professional Bodies.
- Strategies for member engagement: Delegates identified strategies to enhance member engagement and promote diversity and inclusivity.
- Working Groups formed: Two Working Groups were established to implement and disseminate recommendations from the workshop discussions.

Next Steps

Volunteers for the Working Groups have been identified and will commence their work, ensuring that insights and ideas generated during the workshop are translated into tangible actions. The SAIAE and PASAE Collaborative Workshop was a significant success, and its outcomes are expected to contribute to the development of inclusive and engaging environments within Agricultural Engineering Professional Bodies.



NIAE Successful National Machinery Exhibition

The Nigerian Institution of Agricultural Engineers (NIAE) in collaboration with the National Centre for Agricultural Mechanization (NCAM) recently hosted a successful National Machinery Exhibition at NCAM, Ilorin, Kwara State, Nigeria, from November 10 to 14, 2025. The event was part of the 25th International Conference of NIAE and brought together critical stakeholders from the public and private sectors, academia, research institutions, and farmer groups to promote agricultural mechanization and innovation.

Key Highlights of the Exhibition:

- **Showcasing Proven Technologies:** The exhibition featured functional and innovative agricultural machines, equipment, and tools, highlighting Nigeria's potential for self-sufficiency in food production.
- **Workshops and Demonstrations:** Practical training sessions were conducted on selected proven technologies, enhancing participants' skills and knowledge.
- **Symposium and Panel Discussions:** Expert panel discussions focused on agricultural mechanization status, challenges, and the way forward, fostering collaboration and innovation.



Objectives Achieved:

- Promoting indigenous fabrication, adaptation, and commercialization of agricultural machinery
- Encouraging adoption of proven technologies
- Sharing knowledge and best practices in mechanized agriculture
- Attracting investment opportunities for home-grown agricultural technologies

The NIAE and NCAM's collaborative effort has marked a significant milestone in advancing agricultural mechanization in Nigeria, enhancing productivity, sustainability, and food security.





**8th PASAE
Conference
(Ethiopian Society
of Agricultural
Engineers) –
Ethiopia, Addis**



8th PASAE Conference - Ethiopia

Get Ready for the 8th PASAE Conference in Addis Ababa, Ethiopia!

Mark your calendars for 2026, as the Ethiopian Society for Agricultural Engineering (ESAE) is set to host the 8th PASAE Conference in the vibrant city of Addis Ababa, Ethiopia!

This prestigious event promises to be an unforgettable experience, bringing together experts, innovators, and leaders in Agricultural Engineering from across Africa and beyond.

A Unique Opportunity for Collaboration and Growth

Hosting the conference in Addis Ababa, the headquarters of the African Union, will foster enhanced collaboration with key partners like the African Union and Food and Agriculture Organization (FAO). This strategic location will position PASAE as a key player in implementing the Comprehensive Agricultural Development Programme (CAADP) under the African Agenda 2063.

Stay Tuned for More Information!

Keep an eye out for updates on the conference program, speakers, and registration details. This is an event you won't want to miss!



PASAE Membership

Are you passionate about Agricultural Engineering and its impact on Africa's development? Consider joining PASAE, the premier professional body for agricultural engineers in Africa. As a PASAE member, you'll connect with a network of experts, access exclusive events and training, and contribute to shaping the future of agriculture in Africa. For companies, becoming a PASAE corporate member offers unparalleled visibility, networking opportunities, and access to top talent. Join our community today and be part of the transformation!

Visit www.pasae.org to learn more and apply for membership.

Conclusion

As we conclude this edition of the PASAE year-end Newsletter, we reflect on a year of remarkable achievements and milestones. From successful conferences to strategic partnerships, PASAE has continued to drive agricultural engineering development in Africa. We extend our gratitude to our members, partners, and stakeholders for their unwavering support and dedication. As we look forward to 2026, we are excited about the opportunities ahead and invite you to join us in shaping the future of agricultural engineering in Africa. Wishing you a joyous holiday season and a prosperous new year!



Important Dates

As the year comes to a close, we would like to inform you that the PASAE Office will close on 15 December 2025 and reopen for business on 5 January 2026.

We wish you a joyous festive season and a happy new year! We look forward to connecting with you in 2026.

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