

## THE 2024 AAAE INTERNATIONAL AGRICULTURAL ENGINEERING CONFERENCE (IAEC2024)

THE 17 TH TSAE INTERNATIONAL CONFERENCE (TSAE2024)  
Bangkok International Trade and Exhibition Centre (BITEC),

Call for  
Papers



Bangkok, Thailand || 22-24 May 2024  
At the venue of  
AGRI TECHNICA ASIA 2024

## IAEC 2024 International Agricultural Engineering Conference

**Bangkok 22-24 May 2024**  
<https://aaasociety.org>

The Thai Society of Agricultural Engineering (TSAE), in collaboration with the Asian Association for Agricultural Engineering (AAAE), will hold the 25<sup>th</sup> TSAE National Conference, the 17<sup>th</sup> TSAE International Conference and the 2024 AAAE International Agricultural Engineering Conference during May 22-24, 2024. The Conferences under the theme **"Smart Agricultural Engineering for resilient and sustainable world"**.

The Conferences will be held in conjunction with AGRITECHNICA ASIA 2024.

Registration to any conference will allow access to AGRITECHNICA ASIA 2024 at no additional fee.

Abstract Submission 15 January 2024

<https://aaasociety.org/iaec2024-international-conference-abstract-submission/>

## Asian Association for Agricultural Engineering

Newsletter- January 2024

**AAAE conducted  
"International Symposium on Automation  
in Agriculture in Asia"  
at Mahatma Gandhi Mission, MGM  
University, Aurangabad 2-3 October 2023.**

The symposium was conducted in collaboration with VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH (VMNKV), Parbhani (India), MGM University Aurangabad and several Industries- ASPEE, TAFE, Earth Sense & Akshaya Agri. There were more 40 presenters and 150 participants with few international participants joining on-line. The presentation links are available at <https://aaasociety.org>



AAAE establishes "work groups" on current challenges and technology innovations besides basic research in Agricultural domain. Each work group's Chairman and the Co-Chairman shall be inducted in the Executive council of the Society.

## IAEC2024 important dates

Abstract Submission: **15 Jan 2024**

<https://aaaesociety.org/iaec2024-international-conference-abstract-submission/>

Acceptance of Abstract: **23 Jan 2024**

Submission of Article: **15 Feb 2024**

Acceptance of Article: **15 March 2024**

Submission of Final article: **15 April 2024**



Message from Gajendra Singh, Founding President of AAAE

The Asian Institute of Technology (AIT), Bangkok, Thailand organized an International Conference on Rural Development Technology: An Integrated Approach in June 1977. It was attended by agricultural engineers from many countries. Encouraged by the response we organized an International Agricultural Engineering Conference in November 1981. The idea of forming a regional association for agricultural engineering was mooted during this conference. At that time AIT had about 150 students registered in master's and doctoral programs from more than 20 countries in the Division of Agricultural and Food Engineering. For a decade the idea of forming a regional association was discussed at various conferences held in many countries in the region. Finally, the participants of the International Agricultural Engineering Conference, held at AIT in December 1990, passed a resolution to establish ASIAN ASSOCIATION FOR AGRICULTURAL ENGINEERING on December 5, 1990. The Foundation members (76) belonged to 21 countries. AIT Thailand hosted the AAAE Secretariat for two-decades and in 2010 it was moved to China at Chinese Academy of Agricultural Mechanization Sciences (CAAMS), Beijing. We all appreciate the good work done by a dedicated team of editors to publish the journal during challenging times of the last decade. During this period, we have seen a lot of advances in technology for agriculture at the international level. The challenges of Environmental concerns, Climate changes and global Food security warrants the Asian farmers to adjust and optimize production to sustainable levels. This requires collaboration among the Industry, Academia, and Researchers in the Asian region in sharing experiences, avoiding duplication, and working together. AAAE is initiating this change by forming a consortium of national societies with a major emphasis on Academia-Industry collaboration to improve productivity and profitability of small farms in Asia. A consortium should provide wider scope to increase membership and connectivity with all concerned professionals related to agricultural engineering. There is also need for improved interactions in form of News exchange, Conferences, Symposiums, Training and certification.

With these objectives, in December 2022 AAAE was registered in India and its Secretariat was moved to Thane, Maharashtra. AAAE is trying to connect all the members and a drive is launched to trace the current email id and other contact details of its members. We have our website <https://aaaesociety.org> updated. We have conducted two Executive Council meetings in 2023 and one Annual General Body meeting. Our sincere request to all of you is to help us re-connect with all AAAE members by passing this Newsletter or sharing contact details of the known members at [office@aaaesociety.org](mailto:office@aaaesociety.org). AAAE is developing a strategy for identifying its goals and key performance indexes. A committee was formed under the leadership of Dr. Ramesh Kanwar and after four months of deliberations the committee presented the Strategy document (visit <https://aaaesociety.org>) in the Annual General Body meeting held on 16 December 2023. We welcome the members to share their views. One of the major changes required is to improve participation.

AAAE shall have "Working groups" in various topics either related to current challenges or advancement in technology besides basic classical research areas. Each "Working group" shall have a Chairman and Co-Chairman who will be inducted to the Executive Council. Each "Working group" shall have its own team of members for activities in their topic. They will form the base for conducting conferences, symposium, white papers, training and certification. We feel this would open avenues for participation by more young members. I would sincerely request all the members to come forward to participate in the Working groups. I wish that in the coming years, AAAE would be a great consortium to promote the Agricultural Engineering profession and significantly contribute towards sustainable agriculture and prosperity of small farmers in Asia.

**Gajendra Singh**



Strategic Plan of Asian Association for Agricultural Engineering (AAAE) December 2023

### AAAE Vision

*To be one of the leaders of agricultural engineering profession in Asia for sustainable food, water, energy, environmental, and climate systems.*

### AAAE Mission

*To advance and promote agricultural engineering professional societies of Asia for the food, energy, and water security of Asia.*

## AAAE Goals and Strategies

**Goal 1:** To help form a consortium of professional societies of agricultural engineering in Asia and promote the role of the agricultural engineering profession in Asia and the world.

**Goal 2:** Increase AAAE membership to 1,000 by 2028 by cultivating a thriving professional relation and engagements with other agricultural engineering professional societies in Asia and the world.

**Goal 3:** Position AAAE as the preferred agricultural engineering society in Asia for technical consultancy in agricultural (food, water, biological, machine, digital) systems.

**Ramesh Kanwar**



### From the President's Desk ..

I thank all the AAAE members for giving me an opportunity to serve the society during 2024-25. The year 2022 the major work of rejuvenation of the society with registration, re connecting members and in 2023 we have created website, increase our Life members by 35, inducted Thai Society of Agricultural Engineering, Agricultural Machinery Manufacturers association (AMMA- India) as well conducted an International Symposium 2023.

We are in the process of including other National associations in to the consortium as well increase the membership as per the goals set be strategic planning committee. We would welcome members from different disciplines of agriculture who are committed to application of engineering in agriculture. The AAAE is committed to work for integrations of academia, industry including start-ups, government including corporate sector and farmers including FPOs and NGOs. The year 2020-2030 may be termed as 'Tecade' as lots of technological and disruptive innovative solutions will bring in significant changes in agriculture in Asia and world. The new age science like drone, block chain, biotechnology, robotics and space science will be common in future agriculture. The AAAE will play a very important role in reshaping future agriculture and agriculture related commerce through different national societies and international industry.

Please contact me with any suggestions on any activities, work groups and AAAE executive team shall be happy to implement. Only with strong cooperation between all the Academia, Research and Industries we could meet the current challenges in food security, water security, energy security and Climate change through mitigation and adoption of technology for sustainable agriculture. We also shall work on improving latest technology skills to the students of Agricultural Engineering in Asia. Assuring you of my best service,

**Indra Mani**



### From the Director (International Relations)..

Being one of the nine initial Foundation Members during AAAE inception in1990 at AIT, and having served the association in various capacities i.e.

longest serving President, Secretary General and the Editor-in-Chief of the Journal, I have been actively associated with the AAAE for last more than thirty years. This is being continued with my nomination to the new position as the *Director of International Relations*. With AAAE's revised mission and vision, society will serve as the coordinator for the development of agricultural engineering profession in collaboration with regional societies. My personal relations with many societies and acquaintance with many individual academicians will help me for efficient collaboration with other societies as required by this new position. The main tasks will be to bring as many societies under the consortium, conduct many joint activities including joint conferences, seminars, workshops, exhibitions, research projects, development of regional standards and explore other possible avenues for working together.

**Vilas Salokhe**



### From the Director (Industry )..

Industry Academia collaboration allows researchers and students to work on real-world problems faced by the agricultural sector. It provides students with insights into the practical aspects of agricultural engineering. It helps them develop skills that are directly applicable to the industry, making them more employable. The agricultural industry is constantly evolving, with new challenges and opportunities emerging.

Industry-academia collaboration facilitates networking opportunities for both researchers and industry professionals. Building strong relationships can lead to long-term partnerships, joint ventures, and collaborative research projects. These partnerships enhance the exchange of knowledge and expertise. Collaborative projects between academia and industry often attract more research funding. Industry partners may provide financial support for research initiatives, leading to the development of new technologies and solutions. The agricultural industry often benefits from cutting-edge technologies and innovations developed in academic institutions. Close collaboration between industry and academia facilitates the transfer of technology and knowledge from research labs to practical applications in the field. This helps in improving efficiency, productivity, and sustainability in agricultural practices.

Industry-academia collaboration can contribute to shaping agricultural policies. By providing evidence-based insights and practical solutions, the combined efforts of researchers and industry experts can influence policies that support sustainable and efficient agricultural practices..

**TR Kesavan**

## AAAE AWARDS

AAAE is announcing Awards for recognizing outstanding performance in Agricultural Engineering profession.

- **AAAE Fellow Award**
- **Early Career Awards**
- **Outstanding Young Educator Award**
- **Outstanding Young Researcher Award**
- **Outstanding Young Industry Leadership Award**
- **Mid-career/Long-term Career Awards, Innovator/Researcher of the Year Award**
- **Industry Leadership Award of the Year**
- **International Excellence and Engagement Award**

Please look for notification in our website. You may send your suggestions at

[office@aaaesociety.org](mailto:office@aaaesociety.org)



**AAAE Annual General Meeting was held on 16 December 23 and nominated the Executive Committee for the period 2024-25**

**"We very thankfully acknowledge the great contributions of Mr. Yoshisuke Kishida Former President AAAE, president Shin-Norinsha Corp. and Chief Editor AMA, in energizing activities of AAAE during 2021-23. We also thank all other members of the immediate past AAAE team"**

**The "Work groups" shall be the core team to initiate Conferences, Symposium, White papers, Training and certification of AAAE. This gives opportunity for active participation of many members to bring in their talent in serving the profession. Kindly send in your Work group proposals to [office@aaaesociety.org](mailto:office@aaaesociety.org)**

### **The Executive Committee**

**Chairman:**

Dr. Indra Mani

**Vice-Chairman:**

Mrs. Dares Kittiyopos

**Secretary General:**

Dr. Syed Ismail

**Editor-in-Chief (Journal):**

Dr. Ramesh Kanwar

**Director (Int'l relations):**

Dr. Vilas Salokhe

**Director (Industry):**

Mr. K. Kesavan

**Immediate Past-Chair:**

Mr. Yoshisuke Kishida

**President Emeritus:**

Prof. Gajendra Singh

**Secretary:**

Dr. V. Kumar

**Treasurer:**

Mr. Kamlesh Upadhyay

**Treasurer China:**

Dr. Fang Xianfa

**Joint Secretary:**

Dr. Uday Khodke

**Editor Newsletter:**

Dr. V. Kumar

### **Coming Up....**



**6<sup>th</sup> CIGR International Conference  
May 19-23 Korea**

<https://www.cigr2024.org/event/07c39bc0-1bc0-46d8-9fae-6dba82b94b4d/summary>

**National Seminar on Smart Technologies for Sustainable Agriculture and Environment**  
February 22-23 Hyderabad, India  
<https://www.agrophysics.in/>

**Ideas and Technologies to build resilience and mitigate climate related hazards**

ASIA CLIMATE FORUM  
**19 - 21 JUNE 2024**  
SANDS EXPO & CONVENTION  
CENTRESINGAPORE  
<https://www.asiaclimateforum.com/2024/>

### **Editors Column**

We need associate editor for the News Letter! Kindly volunteer!!!  
[news@aaaesociety.org](mailto:news@aaaesociety.org)

All the National Associations are requested to send information on important conferences, events at the universities, research, govt. policies changes. Members are requested to update their personal details in our website for reaching out all in time. Please send info on any awards received by the members, innovation of new products or patents registered. Next Newsletter is planned in April 2024. Hurry up!!!

**V. Kumar  
Syed Ismail  
Venkata Raman**

### **IAEC2024 Abstract Submission Date: 15 Jan 2024**

<https://aaaesociety.org/iaec2024-international-conference-abstract-submission/>  
<mailto:conf2024@aaaesociety.org>

**"The Climate Change, Environmental and Food Security concerns of the world need Agricultural Engineers to lead and bridge all Agricultural professionals"**



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<https://aaaesociety.org>



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[office@aaaesociety.org](mailto:office@aaaesociety.org)