



**52nd Annual Convention of
Indian Society of Agricultural Engineers (ISAE)
and
National Symposium on
Doubling Farmers' Income through Technological Interventions**

January 8-10, 2018

**Venue:
Anand Agricultural University, Anand, Gujarat, India**

**Organised by
Indian Society of Agricultural Engineers (ISAE), New Delhi
and
Anand Agricultural University, Anand
Gujarat, India**



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52nd Annual Convention of Indian Society of Agricultural Engineers

Modern agriculture has enhanced the per capita food supply, reduced the hunger and improved the nutrition by increased productivity through increased resources use efficiency, new crop strains and other technologies. The demand for food would increase significantly over next decades under pressure of expanded population, increased urbanization and growing middle income families. As per the FAO estimates, the situation is expected to exacerbate in near future as 60% more food will be needed for the growing world population. Food production has direct correlation with resource utilization. The complex dynamics of the coupled system of land, water, energy and food has a direct impact on food security and farmers' income. The interdependent complex system needs immediate focus especially in the developing country like India that puts immense pressure on these resources from their large population and its growing food needs, in the background of climate change for doubling farmers' income.

By 2022, doubling farmers' income and sustaining it will be the major challenge particularly in the context of climate change. The pursuit of sustainable agriculture requires focus on increased crop yields, increased input use efficiency, reduced costs of cultivation, etc and this in turn will require technological interventions in holistic manner.

The Agricultural Engineers have been immensely contributing in the field of farm mechanization, irrigation, drainage, flood and water control systems, command area development, post harvest management, agro processing and value addition, managing agricultural structures, environment control and other spheres directly related to agricultural productivity and farmers' income. The different innovations in Agricultural Engineering have directly contributed to increased yields, improved land use and conservation of natural resources and improved use efficiency of inputs like seed, water, fertilizers, pesticides and fuel. The importance of Agricultural Engineering in the world and in the country has increased many folds in recent years. FORBES has rated Agricultural Engineering as one of the top 10 careers for 2022 along with other disciplines. The role of Agricultural Engineers has increased many folds with operation of National Mission on Agricultural Mechanization, a number of programmes on Watershed development, Micro irrigation and Agricultural processing. More pressure on a straining agricultural system will lead to the rise of Agricultural Engineering – a profession focused on developing better and more sustainable ways to grow food to meet the needs of the world by raising productivity at reduced costs and devoid of human drudgery.

The Indian Society of Agricultural Engineers (ISAE), established in 1960, has played a vital role in developing suitable, well-defined linkages between agriculture sector and industry, so as to give a boost to the agricultural production and post production sector. ISAE will be holding its 52nd Annual Convention at Anand Agricultural University, Anand. During the convention, it is decided to conduct a symposium entitled ***“Doubling Farmers' Income through Technological Interventions”***. The objectives of this convention are to discuss how to double farmers' income through Agricultural Engineering interventions for inclusive growth, to explore the opportunities and challenges in agricultural sector, to analyze the short term and long term initiatives undertaken to achieve the targets of doubling the farmers' income, to anticipate the implications of climate change on doubling agricultural productivity and to suggest the appropriate climate smart, energy efficient and eco-friendly strategies as well as resource conservation and efficient technological interventions.

Scientific Sessions and Call for Papers

The scientific sessions planned would include lead papers as well as key-note addresses, by national and international speakers of repute. Research papers will be presented in two categories, namely, oral and poster presentations. Soft copies of abstracts of the papers should be sent to the respective Technical Directors. An abstract should be of approximately 250 words, to be typed in MS Word, Times New Roman, 12 font size with single space, A4 paper size format, leaving margin of 2.54 cm on each side. Abstract should contain title of the paper and name of the author(s) with E-mail address and corresponding author underlined. The text of abstract should have a brief introduction, objective of the study, materials and methods, results, and conclusions in one paragraph.

Papers received will be accepted either for oral or poster presentation, which will be decided by the respective Technical Directors. After receiving the acceptance, full length paper for oral presentation should be sent by email. Souvenir in the form of Compendium will be published and distributed during registration.

Contact Details for Submission of Abstracts to the Technical Directors

Processing, Dairy and Food Engineering Dr. L K Sinha, Principal Scientist Central Institute of Agricultural Engineering Nabibagh, Berasia Road, Bhopal- 462 038 Email: lksinhaicar@gmail.com Mob: +91 9424 412 767	Renewable Energy Engg. and other areas Dr. V K Vijay, Professor Centre for Rural Dev. & Tech. IIT, Hauz Khas, New Delhi-110016 E-mail: vkvijay@rdat.iitd.ac.in Mob: +91 9871 366 611
Farm Machinery and Power Engineering Dr. T P Singh, Head Department of FMP Engineering College of Technology, GBPUAT Pantnagar- 263 145 Email: tpsingh_62@yahoo.co.in Mob: +91 7500 241 498	Soil and Water Engineering Dr. S N Panda, Director National Institute of Technical Teachers Training and Research (NITTTR) Taramani, Chennai - 600 113 Email: sudhindra.n.panda@gmail.com Office: 044 2254 5405

Accepted abstracts will be published in the compendium only if registration fee is received by the due date.

Important Dates

1	Submission of abstract through E-mail	Oct 01, 2017
2	Acceptance of abstract by Technical Directors	Oct 25, 2017
3	Submission of Full length paper	Nov 10, 2017
4	Submission of Camera ready file of abstract by Technical Directors	Nov 15, 2017

For any other inquiry kindly contact: isaeenand@gmail.com

Overview of Anand Agricultural University

Anand Agricultural University is the premier agricultural educational and research institute in India. It was established by Shri Sardar Vallabhbhai Patel with the initiation of Agriculture School awarding of the Diploma in Agriculture in 1939. Subsequently, the degree programme in various disciplines started under Gujarat Agricultural University (GAU). The Anand zone of GAU was converted into the full fledged Anand Agricultural University (AAU) from May 1, 2004 by the Government of Gujarat. The university is undertaking education, research and extension education in almost all the subjects of Agriculture, Horticulture, Veterinary, Agricultural Engineering, Food Processing Technology, Dairy Technology and Agricultural Information Technology (www.aau.in). The AAU has a PG institute, 9 degree colleges, 5 polytechnic colleges, 25 on campus and 23 off campus research stations spread over 9 districts of Central Gujarat.

Considering the huge demand of the specialized human resource for the fast growing sectors of Agricultural Mechanization, Irrigation and Food Industry, the AAU has established the College of Agricultural Engineering and Technology in year 2008-09 at Godhara and the College of Food Processing Technology and Bio-Energy in the year of 2009-10 at Anand. The colleges are producing graduates and post-graduates with high-tech scientific knowledge and technical skills to handle various fields of Agricultural Engineering and Food Processing. The colleges are well equipped with the state-of-art infrastructural facilities, modern laboratory facilities, mechanized farm and pilot processing plants providing quality technical education to the students through B. Tech, M. Tech and Ph.D programme.

Anand

The town is a synthesis of varied cultures, which enables it to evolve and expand the quality of life, as well as to foster an environment of creativity amongst the student community. Anand is popularly known as the MILK City of India due to existence of a host of dairy institutes like AMUL, NDDB, GCMME, NCDFI, IDMC and IRMA besides AAU. Sardar Patel University and Sardar Patel Memorial are worth visiting places. The temperature during January month varies from 15-18 °C. Warm Clothing may be needed during the convention period.

Anand is well connected by rail and road from all parts of the country. The city is very well connected to Ahmedabad (65 km) and Vadodara (45 km). An auto/ taxi could be hired from railway station/ bus stand to reach AAU campus. The Railway station and Bus stand are approximately 4 km away from the University campus.

The nearest international Airport is Ahmedabad which is at a distance of 90 km from the Campus. The domestic Airport is at Vadodara which is at a distance of 40 km from the Campus.

Places of Visit

In the vicinity of Anand, holy pilgrim places like Dakor, Vadtal, Pawagadh etc are located nearby. If sufficient delegates are interested, special tours to Gandhi Ashram, Ahmedabad and Akshardham, Gandhinagar can be arranged on payment basis.

Conference Registration

All participants should register for the conference by filling-up the Registration Form which is given separately with the brochure and is also available on the conference website: www.aau.in/isae2018. Registration Fee is to be paid in advance. The details of registration for different categories of participants are given below. The payment can be made through a/c transfer or demand draft as indicated in the registration form. Direct online payment for registration can be made using Debit Card / Credit Card / Net banking on www.isae.in.

The online payment receipt details should be submitted to the email isaeand@gmail.com; isae1960@gmail.com for further action.

Registration Fee

Member Type	INR
ISAE Member	5000
ISAE Non Member	6000
SRF/JRF/SRA/RA	2000
Students #	1500

in-service students are not entitled to avail the benefit of this option. All students should attach their certificate from HoD along with their Identity Card.

Retired but not employed ISAE members are exempted from only the registration fees.

Family members accompanying the delegate will be charged Rs. 2000/- per head.

Accommodation

Limited accommodation is available in the university guest houses. Hotel accommodation can be booked by the delegate directly with the hotel whose contact details are appended in the registration form. The confirmation of accommodation invariably be mailed to isaeand@gmail.com.

Bank Details for Payment

Name of the Bank	Central Bank of India, Institute of Agri. Campus Branch, Anand
Account Name	ISAE ANAND CHAPTER
Account Number	3550887504
IFSC Code	CBIN0281262
MICR Code	388016003

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Industry partners are invited across the country for various categories of sponsorships and advertisement in the compendium.

Lead Partners: Diamond Rs 5 lakh, Gold Rs. 3 lakh, Silver Rs. 2 lakh.

A compendium containing lead papers and abstracts will be published and released during the conference. We welcome advertisements in the Compendium and Industrial Exhibition at the venue of the convention. Advertisements for the Compendium will have the following charges.

	Colour (Rs.)	Black and White (Rs.)
Back cover page 8.5"x11"	60,000	----
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For more information on sponsorship and advertisement, please contact:

dcjoshi@aau.in or phone on 09998009965.

**The announcement regarding ISAE Awards will be available on
ISAE Website (www.isae.in)**

Registration Form
52nd ISAE Annual Convention and Symposium
January 08-10, 2018
Anand Agricultural University, Anand, Gujarat, India

Name: _____

Official Address with Designation: _____

E-mail: _____ Mobile: _____

Gender: ____ Age: ____ Nationality _____ ISAE Membership No. _____

Number of accompanying persons _____

Payment details (NEFT/RTGS/IMPS/UPI/Demand Draft)

Registration Fee Amount : _____

Bank thorough which deposited : _____

Transaction ID: _____ Date: _____

Online payment through Debit Card / Credit Card / Net banking can also be made on www.isae.in.

Kindly send transaction receipt / online payment details along with the registration form to:
isaeand@gmail.com ; isae1960@gmail.com

Type of Accommodation : ☐ University Guest house ☐ Hotel

University guest houses are having limited accommodation and will be allotted on twin sharing basis. The guest house/hotel charges are to be borne by the delegate. Please note that January month is the peak period for NRIs to visit Anand, so it is advised to book hotels well in advance through their website to avoid any inconvenience. The confirmation of hotel booking should be informed to : isaeand@gmail.com

Arrival Plan Arriving by: _____ Place of arrival _____

Date _____ Time _____

Departure Plan Departing by: _____ Place of departure _____

Date _____ Time _____

Place: _____

Date: _____

Signature of applicant _____

Hotel details (Discounted rate for ISAE booking up to Oct 31, 2017)

- | | | |
|--|--|------------------|
| 1. The Maison Hotel | INR 1800 | Per Room |
| Contact : booking@themaisonhotel.com | www.themaisonhotel.com | |
| 2. La Casa Inn | INR 2200 | Per Room |
| Contact : reservations@lacasainn.in | www.lacasainn.in | |
| 3. Hotel Grand Nakshatra | INR 2575 | Single Occupancy |
| | INR 2850 | Double Occupancy |
| | www.grandnakshatra.com | |
| 4. Madhubhan Resort & Spa | INR 7614 | Single Occupancy |
| | INR 8395 | Double Occupancy |
| Contact : events@madhubhan.com | www.madhubhanresortandspa.com | |

Payments to be transfered to Central Bank of India, A/C No. 3550887504, IFSC Code : CBIN0281262 as given in brochure.

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