

51st Annual Convention of Indian Society of Agricultural Engineers (ISAE)

and

National Symposium

on the theme

Agricultural Engineering for Sustainable and Climate Smart Agriculture

(February 16-18, 2017)

Organised by



Indian Society of Agricultural Engineers (ISAE), New Delhi



**College of Agricultural Engineering and Technology, CCS HAU, Hisar
(Silver Jubilee Year of the College 2017)**



Agricultural Machinery Manufacturers' Association, Pune, India

VENUE

**Chaudhary Charan Singh Haryana Agricultural University
Hisar, Haryana (India)**

51st ISAE Convention

The importance of Agricultural Engineering in the world and the country has increased many folds in recent years. Agricultural Engineering has moved a long way in India also. The role of Agricultural Engineers has increased many folds with the launching of National Mission on Agricultural Mechanization, a number of programs on Watershed Development and Micro irrigation. Agricultural Engineering is a profession focused on developing better and more sustainable ways to grow more food to meet the needs of the world by raising productivity. The basic responsibility of Agricultural Engineers is to make agriculture sustainable, profitable and competitive enterprise through engineering interventions of farm mechanization, resource conservation, value addition and energy management in production and post harvest operations. This discipline has been immensely contributing in the field of irrigation, drainage, flood and water control systems, planning, supervising and managing agricultural structures and environment control.

Keeping in mind the above, there is an ardent need to discuss the contributions and challenges faced by the Agricultural Engineering profession in the country. The annual convention will try to address all different issues through participation of national and international experts and engaging them in meaningful dialogue. To address significant challenges of the present day from available land and water resources, tech savvy intervention using modern ICT will be the focus and a part of the convention. Sharing and exchanging information and ideas on these advancements at a national platform would facilitate speedier adoption of new innovative technologies in the field of Agricultural Engineering.

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 processing sector. It has completed 56 years of journey with specific goal of mechanisation in agriculture sector. Since the College of Agricultural Engineering and Technology, CCSHAU, Hisar, is entering the Silver Jubilee Year on 24th March, 2016 and will be completing 25 years on 23rd March, 2017, the 51st Annual Convention of ISAE is being organised at the College of Agricultural Engineering and Technology, CCSHAU, Hisar. The theme of the convention will be "Agricultural Engineering for Sustainable and Climate Smart Agriculture".

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 can be submitted on line on <http://isae.in>.

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.

Indicate whether the paper is for oral or poster presentation. 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 Compact Disc will be distributed during registration. Official language of the Convention will be English.

Overview of Chaudhary Charan Singh Haryana Agricultural University, Hisar

The Haryana Agricultural University was established on February 2, 1970, as a result of bifurcation of the erstwhile Punjab Agricultural University, through a Presidential Ordinance, ratified later by the Haryana and Punjab Agricultural Universities Act, 1970 passed by the Lok Sabha. From 31st October, 1991, it has been renamed as Chaudhary Charan Singh Haryana Agricultural University. The main campus of the University is situated at Hisar at a distance of 180 km North-West of Delhi on National Highway No.9. The University is spread over an area of 7219 acre at Hisar and 1426 acre at outstations. During its existence so far it has made rapid progress in building an excellent infrastructure. It has one of the best developed campuses in India to meet academic and extra-curricular needs of the students. The University has contributed greatly to green revolution in India which made the country not only self sufficient but surplus in food grains.

College of Agricultural Engineering & Technology

The College of Agricultural Engineering and Technology (CAE&T) is located in main campus of the CCS Haryana Agricultural University, Hisar and is 2 km from the Railway Station and 3 km from the Bus Stand, Hisar. The undergraduate programme of B. Tech. (Agricultural Engineering) was approved on June 11, 1987 and the admission started in August 1987. Thereafter, the College of Agricultural Engineering and Technology was established on March 24, 1992. Subsequently, two departments namely Farm Power & Machinery and Soil & Water Engineering were established in the year 1993 and the College started awarding Master of Technology (Agril. Engg.) in the above departments. Later on, another department of Agricultural Processing & Energy was created in August 1996 and M.Tech. was started in Agricultural Processing & Food Engineering.

Hisar City

The present city of Hisar at an elevation of 215 m above mean sea level with population density of 438/km² and population of more than 3 lakhs is situated 180 km North-west of Delhi on the National Highway Delhi-Rohtak-Hisar-Sirsa-Fazilka. The city of Hisar was founded by Firozshah Tughlaq in 1354 A.D. 'Hisar' is an Arabic word, which means 'Fort'. The fort-city had four gates, which were subsequently named as the Delhi Gate, Mori Gate, Nagori Gate and Talaqi Gate. The city gained importance in early sixties when Agricultural University was setup as an extension of the Punjab Agriculture University, Ludhiana. The first university that came into existence in Hisar was CCS Haryana Agricultural University in 1970. It is one of Asia's biggest Agricultural University. There are two other universities namely Guru Jambheshwar University of Science & Technology and Lala Lajpat Rai University of Veterinary & Animal Sciences. A few agricultural and veterinary research centres are also situated in the city such as National Research Centre on Equines, Central Sheep Breeding Farm, National Institute on Pig Breeding and Research, Northern Region Farm Machinery Training and Testing Institute and Central Institute for Research on Buffaloes.

How to reach Hisar

The city lies on National Highway 9 (Delhi-Rohtak-Hisar-Sirsa). It has major railway junction and is well connected to Delhi, Punjab, Rajasthan and Jammu and Kashmir through rail links. Haryana Express and Kisan Express are two important trains that stops at Hisar junction. The Gorakh Dham Express train originates from Hisar and travels to Gorakhpur (UP) via Delhi, Kanpur and Lucknow. The Vivek Express train from Jammu Tawi to Mumbai connects Hisar directly to Mumbai. There are regular bus services from Delhi and Chandigarh to Hisar.

Places of Interest

Agroha Dham built in the honour of Maharaja Agarsen is a prominent religious place located on the outskirts of the city about 22 km away on Sirsa Road. Jindal Tower & Knowledge Centre built in the memory of OP Jindal is located adjoining University boundary and has a museum, library, herbal park and a cafeteria. The tower is 282 feet (85m) tall made of high steel built and is the tallest of its kind in Asia and the second tallest steel tower in the world.

Registration fee

Delegates who are retired but re-employed/re-deployed have to also pay registration fee. Registration fee does not include accommodation charges and all participants will be required to pay accommodation charges and Family members accompanying the delegates will be charged Rs. 2000/- per head

ISAE Member	Rs 5000/-
Non-Member	Rs 6000/-
SRF/JRF/SRA/RA	Rs 2000/-
Student	Rs 1000/-

Accommodation

Limited accommodation is available in the University and other local guest houses. Hotel accommodation can be arranged on prior request of the delegates and after receiving payment in advance. Further information about the local hotel and their tariffs will be provided in the university website <http://hau.ernet.in> during December, 2016.

Mode of Payment

Participants can pay registration fee and accommodation charges through demand draft or electronic transfer in favour of Indian Society of Agricultural Engineers (ISAE)-Haryana Chapter payable at SBI, HAU Branch Hissar. Participants can also pay through on line using credit card/debit card or net banking on <http://isae.in>.

Bank Name and branch	State Bank of India, HAU Branch, Hissar
Account No.	329 359 476 88
Account Name	Indian Society of Agricultural Engineers (ISAE)-Haryana Chapter
IFSC Code	SBIN0001566
MICR Code	125002002

Sponsorship and Advertisement Sponsorships are invited from the companies for various categories.

Lead Partners: Platinum Rs 5 lakh, Diamond Rs 4 lakh, Gold Rs. 2 lakh, Silver Rs. 1 lakh.

A compendium containing lead papers and abstracts will be released during the conference. We welcome advertisements in the Compendium/Souvenir and industrial exhibition at the venue of the convention. Advertisements for the Compendium will have the following tariff.

	Colour	Black and White
Back cover page 8.5"x11"	Rs 50,000	-
Front/Back inside cover page 8.5"x11"	Rs 40,000	-
Full page inner 8.5"x11"	Rs 30,000	Rs. 20,000
Half page 8.5"x5.4"	Rs 15,000	Rs 10,000

For more information regarding sponsorship/advertisement, please contact:
Er. S. Mukesh, Asstt. Scientist, Farm Machinery and Power Engineering, College of Agricultural Engineering & Technology, CCS HAU, Hisar-125004.

Email: mukeshjainhisar@rediffmail.com Mobile: +91941639 7798

Awards: The information regarding ISAE awards 2017 is available on ISAE Website: <http://isae.in>

Contact details for submission of abstracts to Technical Directors

Processing, Dairy & Food Engineering Dr. L. K. Sinha, Principal Scientist Central Institute of Agricultural Engineering Nabibagh, Berasia Road Bhopal- 462 038 Email: lksinha@ciae.res.in 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: vkvijay14@hotmail.com Mob: +91 9871 366 611
Farm Machinery & Power Engineering Dr. T. P. Singh, Head Department of FMP Engineering College of Technology, GBPUAT Pantnagar- 263 145 Mob: +91 7500 241 498 Email: tpsingh1962@gmail.com	Soil and Water Engineering Dr. S. N. Panda, Professor Agric. & Food Engg. Department Indian Institute of Technology Kharagpur- 721 302 Mob: +91 9434 009 156 Email: snp@agfe.iitkgp.ernet.in

Accepted abstracts will be published in the book of abstracts only if registration fee is received by the due date which will be informed separately. Submitted full length papers will be short listed and accepted papers will be published in the journal after peer review.

Important Dates

Abstract submission	October 15, 2016
Communication of acceptance to authors	October 30, 2016
Submission of full length paper	November 30, 2016
Final manuscript to Convener by the Technical Directors	December 15, 2016.

<p style="text-align: center;">Advisory Committee</p> <p>Dr. V..N. Sharda, Member, ASRB, ICAR Dr. A.K. Sikka, India Representative, IWMI, Delhi Dr. R C. Srivastava, Vice Chancellor, RAU, Samastipur Dr. N.S. Rathore, DDG (Edu), ICAR, Delhi Dr. K. Alagusundaram, DDG (Engg.), ICAR, Delhi Dr. P.K. Mishra, Director, CSWCRTI, Dehradun Dr. S.K. Ambast, Director, IIWM, Bhubaneswar</p>	<p style="text-align: center;">Organising Committee</p> <p>Patron: Dr. K.P. Singh, Vice-Chancellor, CCS HAU, Hisar Convener: Prof. A.K. Goel, Dean, CAE&T</p> <p style="text-align: center;">Co-Conveners</p> <p>Dr. M. S. Sidhpuria, Head SWE Dr. Vijaya Rani, Head, FMPE Dr. Amarjit Kalra, I/C Basic Engg.</p> <p style="text-align: center;">Organising Secretary</p> <p>Dr. M. K. Garg, Head, PFE</p>
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Convener

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Registration/Accommodation Request Form

51st ISAE Annual Convention and Symposium

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College of Agricultural Engineering and Technology, CCS HAU, Hisar

1. Name: _____

2. Official Address with Designation: _____

3. E-mail: _____ Mobile: _____

4. Sex: _____ Age _____ Nationality _____ ISAE Membership No _____

5. Number of persons _____

Registration fee Amount _____ Draft /NEFT No. & Date _____

Accommodation charges Amount _____ DD/NEFT No. & Date _____

Type of accommodation: Guest house/Hotel Preferred tariff range for stay in hotels

Up to Rs 1000

Rs1000-2000 Rs 2000- 3000

> Rs 3000

Signature with date

Please send it to:

The guest house rooms, if available, will be allotted on twin sharing basis. The guest house charges are to be borne by the delegate. Due to limited space in the university guest house, accommodation will be arranged in local hotels. Please give your preferred tariff range in case guest house accommodation cannot be arranged for you. Accommodation will be booked in the hotels on receiving payment in advance. Further information about the local hotels and their tariff will be displayed in the college website: www.hau.ernet.in during November, 2016.

Note: Accommodation may also be booked by going directly to the websites of local hotels well in advance to avoid any inconvenience.

Indian Society of Agricultural Engineers

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