



CALL FOR PARTICIPATION



Ahmedabad
University

Virtual Workshop on Data Science for Agriculture and Natural Resource Management (DSANRM 2020)

16th
DECEMBER

20
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About DSANRM2020

DSANRM-2020 address challenges and issues related to Data Science in Agriculture and Natural Resource Management, data mining of weather or crop production data for estimation or prediction of disease, tools, data mining for the prediction models to solve the problem and develop frameworks for data mining in a specific domain of agricultural databases. We invite Researchers, Scientists, Professionals, and academicians, Students(PhD, MS, MTech), Government officials and industry personals to share their research results and experiences. It is co-located with 8th International conference on Big Data Analytics Conference (<http://www.bda2020.org/>)

Speakers

Dr. Suresh Kumar Chaudhari

Deputy Director General (NRM),
Indian Council of Agricultural
Research, New Delhi, India

Prof. Soumik Sarkar

Associate Professor, Department of
Mechanical Engineering and
Department of Computer Science
Iowa State University, USA

Dr. Prasad S. Thenkabail

Supervisory Research Geographer-
15, US Geological Survey, Flagstaff,
Arizona, USA

Prof. Seishi Ninomiya

Graduate School of Agricultural and
Life Sciences, University of Tokyo,
Japan

Dr. Leisa Armstrong

School of Science, Edith Cowan University,
Australia

Prof. J. Adinarayana

Institute Chair Professor & Head, CSRE,
Indian Institute of Technology, Bombay (IITB),
Mumbai, India

Prof. Pabitra Mitra

Professor, Computer Science
Engineering, Indian Institute of
Technology, Kharagpur, India

Dr. S. P. Wani

Former, Research Program Director – Asia
and Director, ICRISAT Development Center,
Hyderabad, India

Dr. Navin Kumar C. Twarakavi

IBM Research Lab, India

Dr. Saravanan Raj

Director (Agricultural Extension),
National Institute of Agricultural
Extension Management (MANAGE)

Prof. P. Krishna Reddy

Professor, International Institute of
Information Technology,
Hyderabad, India

Prof. Sanjay Chaudhary

Interim Dean and Professor, School
of Engineering and Applied Science;
Dean of Students, Ahmedabad
University, Ahmedabad, India

Dr. G.P. Obi Reddy

Principal Scientist, Division of
Remote Sensing Applications,
ICAR-NBSS&LUP, Nagpur, India

Prof. Mehul S. Raval

Professor, School of Engineering and
Applied Science, Ahmedabad
University, Ahmedabad, India

Advisory Committee

Prof. J. Adinarayana, IITB, Mumbai, India

Prof. P Krishna Reddy, IIITH, Hyderabad, India

Dr. Leisa Armstrong, Edith Cowan Univ., Perth, Australia

Prof. Seishi Ninomiya, The Univ. of Tokyo, Tokyo, Japan

Prof. Sanjay Chaudhary, Ahmedabad Univ., Ahmedabad, India

Prof. V. C. Patil, KIAAR, Sameerwadi, India

Prof. Dean Diepeveen, Murdoch Univ., Perth, Australia

Dr. P. Chandran, ICAR-NBSS&LUP, Nagpur, India

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Prof. Devesh Jinwala, SVNIT, Surat, India

Dr. Saravanan Raj, MANAGE, Hyderabad, India

Prof. Ranendu Ghosh, DAIICT, Gandhinagar, India

Dr. Vasala Madhava Rao, Ex CGARD, Hyderabad, India

Dr. Shashikant A. Sharma, ISRO, Ahmedabad, India

Dr. Rajender Parsad, ICAR-IASRI, New Delhi, India

Dr. R. Uday Kiran, University of Tokyo, Tokyo, Japan

Prof. M. T. Savaliya, VGEC, Ahmedabad, India

Dr. Ratnik Gandhi, NTT Docomo, Vancouver, Canada

Dr. Shakti Mishra, PDPU, Gandhinagar, India

Dr. Mandar Chaudhary, Infinia ML, NC, USA

Participating Organisations

Indian Society of Agricultural Information Technology (INSAT)

<http://insait.in>

In India, majority population still depends on agriculture for livelihood. Indian agriculture has stood the test of time and achieved green, white, yellow, blue and cyber revolutions. Access to information and its effective use as knowledge is crucial for successful economic development. Instant access to information on the availability of inputs, financial resources, technological innovations and changing market conditions has become critical to the viability of rural economy. In this context, it is most prudent to extend the benefit of IT to agriculture and allied industries. Efforts in this direction would help in extending the benefits of technological advances to the rural people. As a first step in this direction, the Indian Society of Agricultural Information Technology (INSAT), a professional society was launched at Dharwad in the year 2000.

The INSAT is organizing this virtual workshop on 16th December, 2020 in collaboration with Ahmedabad University as a part of the 8th International Conference on Big Data Analytics 2020 (BDA2020) (<http://www.bda2020.org/>) to be held at Ashoka University, Sonapat, Haryana, India during 15-18 December, 2020 in India.

Ahmedabad University

<https://ahduni.edu.in>

Ahmedabad University is a private, non-profit institution established in 2009. It offer a range of diverse, rigorous academic programmes to enable students to grow into well-rounded leaders. Ahmedabad University is dedicated to foster continuous progress of self and society. It aspire to become an exemplar in the transformation of higher education and research in India. The programmes include undergraduate, graduate and doctoral studies in areas such as engineering, life sciences, management, arts, and computer science.

Topics

Prospective authors are invited to submit original research papers in following areas:

- Agricultural Data Model including sensing and reliability in agriculture
- Big data analytics, and cloud computing for agriculture
- Data science and Data mining techniques for analysis of agriculture data
- Data science-based decision support systems for natural resource management
- Innovations in agriculture and sensing devices in smart farming
- Knowledge based agriculture data models for smart computing in agriculture
- Precision agriculture for smart farming solutions
- Security and privacy for big data in agriculture
- Geo-bigdata platforms and solutions for smart agriculture
- Data science and geoportals for location-based services in agriculture
- Geospatial standards, interoperability and knowledge discovery in agriculture

Guidelines for prospective authors

- Prospective authors are invited to submit original research papers (not being considered for publication elsewhere) from 15 to 20 pages in length in the LNCS style. Unformatted papers and papers beyond the page limit will not be reviewed. The submissions will be accepted through <https://forms.gle/rXeUeGpDANSzR1Eq7>
- Each paper should contain an abstract of approximately 250 words having a page limit of 20 pages including the title page in 1.5 line spacing, references and appendix. For preparing the manuscript, please see instructions for authors by Springer, in the Lecture Notes in Computer Science series (LNCS) LaTeX and Word Templates & Submission Guidelines: <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>
- All submitted papers will be peer-reviewed by at least three program committee members. At least one author of each accepted paper is required to register at the workshop and present the paper. Accepted and presented papers will be published in the form of edited book published by the Springer.

Workshop Chairs

Dr. G. P. Obi Reddy, ICAR-NBSS&LUP, Nagpur, India & Secretary, INSAT

Prof. Mehul S. Raval, Ahmedabad Univ, Ahmedabad, India

Contact

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🌐 <https://sites.google.com/view/dsanrm2020/>