

Session Title: ICT Applications in Agriculture and Social Sciences

Aim and Scope of the special session: ICT is being used in planning and management tools for governments, organizations, farmers, foresters, and the general public. The special session is primarily focused on the practical use and development of applications/systems/ software and methods for modelling and managing the systems in agriculture and social sciences. It is intended to identify and discuss the common implementation problems or research problems faced by researchers developing such applications for agriculture. The session also serves as a vehicle to make other researchers in Computer Science more aware of the needs and opportunities coming out of the specific context provided by agricultural domain. Thus, the session aims to serve as a platform for exchange of ideas among researchers and academic community working for research and development related computer applications for agriculture and social sciences.

Areas of Coverage (sub-themes)

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| <ul style="list-style-type: none"> • Computers and Agricultural Commodities • Expert Systems in Agriculture • Pests and Disease Forewarning System • AI in Agricultural Domain • Databases and Data warehouses in Agriculture • ICT and Agricultural Knowledge Dissemination • Opinion Mining in Agricultural domain • Ontologies Development in Agriculture | <ul style="list-style-type: none"> • Price Forecasting Techniques for Agricultural Commodities • Weather Forecasting in Agriculture • Computers and Natural Resource Management for Agriculture • Linking Farmers with Markets using ICT • ICT for rural development • ICT for agricultural Education |
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Session Chairperson Details



Dr. Rajni Jain is working as Principal Scientist, Computer Applications in Agriculture at ICAR-National Centre for Agricultural Economics and Policy Research since 1996. She obtained the Ph.D. degree in Computer Science from Jawaharlal Nehru University in 2005 in the area of data mining. Rajni Jain obtained her M.Sc. degree in the discipline of Computer Application from P.G. School, Indian Agricultural Research Institute in 1991 with a gold medal for her outstanding academic performance. Earlier in 1988, Rajni Jain obtained her B.Sc. degree in Physics Hons. From Hansraj College, Delhi University. Rajni made important and useful contributions to the discipline of agricultural economics by planning, design and development of many online software and data mining based models for agriculture. Her research interests include applications of data mining techniques and development of decision support systems for agriculture domain. Rajni Jain has contributed nearly 90 research papers in national / international journals / conferences / workshops / seminars.

Technical Committee

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| <ul style="list-style-type: none"> • Dr Rajni Jain, ICAR-NIAP, New Delhi • Prof. Sudeep Marwaha, ICAR-IASRI, New Delhi • Dr Alka Arora, ICAR-IASRI, New Delhi • Dr Amarendra Mishra, ICAR-IARI, New Delhi • Dr Mukesh Kumar, ICAR-IASRI, New Delhi • Dr Adesh Kumar Sharma, ICAR-NDRI, Karnal | <ul style="list-style-type: none"> • Dr Avnish Kumar Bhatia, ICAR-NBAGR, Karnal • Dr Aditi Sharan, JNU, New Delhi • Dr Anand Prakash Ruhil, ICAR-NDRI, Karnal • Dr Ramasubramanian V., ICAR-IASRI, New Delhi • Dr Anshu Bharadwaj, ICAR-IASRI, New Delhi • Dr Savita Kolhe, ICAR-IISR, Indore |
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Important Dates

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