About the National Systems Conference (NSC)

NSC is an annual event of the Systems Society of India (SSI) devoted to strengthening the systems movement and its applications. The first NSC was organized in 1973 to help create awareness of system engineering methodologies among planners, designers, builders and operation managers. NSC provides a forum for sharing knowledge and disseminating research findings. This year, the 41 National Systems Conference is being organized at Dayalbagh Educational Institute (DEI), Dayalbagh, Agra.

About Agra

Agra, the city of the Taj Mahal, has a heritage and culture that dates back to the Mughal era. Situated on the banks of the river Yamuna, it is home to several world famous Heritage monuments which include the Taj Mahal, Red Fort, Itmad-Ud-Daulah and the tomb of Emperor Akbar at Sikandra. The city of Fatehpur Sikri (a UNESCO World Heritage City) is situated 45 km from Agra. Agra is also famous for its leather goods, handicrafts, zari, zardozi, marble and stone carving, and inlay work. About a 3½ hour drive from NewDelhi, it is also well connected by rail, major stations being Agra Cantt., Agra Fort and Raja Ki Mandi (nearest to Dayalbagh).

The weather in Agra in November is pleasant, with a maximum of 20°C and minimum of about 3°C.
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About DEI and Dayalbagh

The Dayalbagh Educational Institute is located on the out skirts of Agra in the tranquil surroundings of Dayalbagh, a self-contained ashram, and one of six designated "eco-villages" in the country. The residents of Dayalbagh lead an active, disciplined and co-operative community life dedicated to service, conforming to the high spiritual ideals of their faith. Nestled among lush green fields, the DEI campus provides an excellent ambience and academic setting. This, along with its mission objective of value-based education, undoubtedly contributes to the strength of the Institute's unique educational system.

Accommodation

Limited accommodation is available on request on payment basis.

Chief Patron

Prof. P. S. Satsangi
Chairman, Advisory Committee on Education
Dayalbagh

Patron

Prof. P.K. Kalra
Director, DEI

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41 National Systems Conference (NSC) 2017

on

Super-intelligent Machines & Man

December 1-3, 2017

Dayalbagh Educational Institute
(Deemed University)
Dayalbagh, Agra 282 005, India

Systems activities in DEI

DEI has been a cradle of the Systems movement in India, and a pioneer in application of the Systems approach to all fields. It has had a long association with the premier Systems body of the country, the Systems Society of India (SSI). DEI has over 330 Distance Education Centres all over the country and abroad, and many of these Centres have satellite Chapters of the SSI. Each Chapter functions on its own, as well as in collaboration with the DEI-Dayalbagh Chapter, furthering the cause of inter-disciplinary research and cooperation in the University and its constituents.

DEI has undertaken the following Systems-related activities from time to time:

- Hosting of the annual Students Systems Conference **PARITANTRA**
- Publishing the annual newsletter **Paritantrika** of the DEI-Dayalbagh SSI Chapter
- Publishing the international Journal 'Literary Paritantra (Systems)' on Systems approach in Literature and Theory (www.literaryparitantra.com).

DEI has also hosted 2 previous editions of the National Systems Conference, in 1995 and 2009.

Super-intelligent Machines & Man

Computers can now fly planes, deliver goods and parcels and drive cars. Computer algorithms anticipate our needs and decide which advertisements to show us. Machines create news stories without human intervention. Computers routinely trump humans in a number of complex games. Machine intelligence, along with the convergence of genetic engineering, quantum and nano technologies, has opened the doors to a new world. Scientists and philosophers alike are concerned about the potential implications of this emerging landscape, and wonder whether empowerment of super-intelligent machines may overpower human beings.

It is our hope that NSC 2017 will help to throw light on this by facilitating a systemic cross fertilization of ideas, and stimulating interaction between various Systems research entities.

Proposed sessions

- ❖ Intelligent Systems
- ❖ Machine Learning
- ❖ Soft Computing
- ❖ Quantum & Nano Information Systems
- ❖ Man-Machine Intelligent interfaces
- ❖ Values & Quality for Systems of System
- ❖ Smart Cities
- ❖ Rural Economic Zones to International Markets
- ❖ Nano- and Micro-enterprise Systems and e-commerce
- ❖ Social and Systems Engineering
- ❖ Specific applications in the following areas:
  - Water & Waste management
  - Environmental Systems
  - Control System
  - Aerospace Systems
  - Defence Systems
  - Energy Systems
  - Robotics & Drones
  - Green Transportation Systems
  - Bio-medical Instrumentation Systems
  - Engineering Systems
  - Life Sciences & Physical Sciences Systems
  - Socio-Economic, Commerce & Business Systems
- ❖ Humanities, Educational & Literary Systems
- ❖ Human Performance & Meditation
- ❖ Consciousness/Wisdom/Intuition-based Systems
- ❖ Super-person & Machine Intelligence

Panel Discussion

A panel discussion on **'Possibility of super-intelligent machines possessing values and quality'** is proposed, with national international participants drawn from academia, government, industry and the public.

Important deadlines

Submission of full manuscripts	September 15 2017
Notification of acceptance	October 15 2017
Submission of camera-ready papers	November 1 2017
Last date for registration	November 10 2017

Submission mode

One copy of the full paper not exceeding 6 pages, as per IEEE double column MS Word format (Times New Roman, font size10 pt) should be sent by email to: nsc2017@gmail.com

Registration Fee

For participants from industry	Rs. 5000
For participants from academia/R&D	Rs. 3500
For students	Rs. 500
Foreign participants	$ 300

Life and student members of SSI will get a concession of 20% over the registration fee applicable.
Cheque /DD may be made in favour of **conference@dei.**

NATIONAL SYSTEMS CONFERENCE (NSC 2017)

**Dayalbagh Educational Institute
(Deemed University)
Dayalbagh, Agra 282005
INDIA**

Full Name (in block letters):

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Designation:

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Organization:

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email:

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Paper Number and Title:

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Registration Fee Amount:

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SSI Life / Student Membership No. (if any) :

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Signature ……………………………………………