



# Paritantrika

## GENERAL SYSTEMS NEWS

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## TSC 2013 March 3-9, 2013

### Twentieth Conference on Toward a Science of Consciousness

**T**HE Twentieth Conference on Toward a Science of Consciousness (TSC 2013) was organized at Dayalbagh Educational Institute from March 3-9, 2013. The conference was shared between DEI Convocation Hall, Quantum-Nano Systems Centre and Centre for Consciousness Studies. Over 400 delegates from all over the world attended the conference. There were 22 Plenary Talks with 18 international speakers from USA, Canada, Belgium, Romania, Germany, Norway, Japan and Australia and 4 national speakers. The plenary talks covered various interdisciplinary aspects of consciousness. There were 24 concurrent sessions and 3 poster sessions in TSC 2013. The workshops

offered during the event included those by DEI team (Basic Neuro and Cognitive Sciences), Prof. Stuart Hameroff (Review of Orch. OR Theory), Prof. Menas Kafatos (Self in Science) and Dr. Deepak Chopra (Healing, Transformation and Higher Consciousness).

The event was inaugurated on March 5 by Prof. James Barrell, University of West Georgia, with his talk entitled "Inner Experience and Neuroscience: Merging both Perspectives". The Vision Talk was delivered by Revered Prof. P.S. Satsangi, Chairman Advisory Committee on Education, Dayalbagh Educational Institutions, entitled, "Towards Integrating Arts (First-



Person Spiritual-Cognitive-Material Phenomenology) and Science (Third-Person Neuro-Physical Environmental-Cognitive Correlates) of Consciousness : The Dayalbagh Vision". The Inaugural Function was transmitted to all the e-Satsang Branches and the Satsang Hall at Dayalbagh also. There was a lively Cultural Programme on the Inaugural Day for the delegates of TSC.

Panel Discussion was held on March 9, 2013 on the topic Inner Science and Natural Sciences, moderated by Mr. Prem Prashant. The Memo-

randum of Understanding (MoU) for educational and scientific cooperation, between Dayalbagh Educational Institute and University of Waterloo, first signed in July 2008, was renewed for another term of five years on March 9, 2013 in the Closing Function of TSC 2013, in the presence of Prof. Peter Roe, Director, International Exchange Programmes, University of Waterloo. All contents of the original MoU signed in 2008 remain in effect, and an additional clause on undergraduate and graduate student exchange for research, internships has been added in the renewal agreement.



## QANSAS 2012 November 28 – December 2, 2012

### International School on Quantum and Nano Computing Systems and Applications

International School on Quantum and Nano Computing Systems (QANSAS 2012) was organized from November 28–December 2, 2012. A special forum on 'Quantum Theory and Science of Consciousness' was organized on November 28 with a Vision Talk entitled "Neuro-environmental Cognitive Spiritual Phenomenology" delivered by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. The event was inaugurated on November 29 by Prof. Lajos Diosi, Institute for Particle and Nuclear



Physics, Budapest, Hungary with his talk entitled "Quantum Information viewed by a Theoretical Physicist". In the ensuing sessions, there was active participation with 22 invited speakers from top academic and research institutes

like University of Waterloo, National University of Singapore, Massachusetts Institute of Technology, IIT Delhi, IIT Kanpur, IIT Kharagpur, IIT Rajasthan, IIT Patna, HCRI

Allahabad, TIFR Mumbai, ISI Kolkata, IISER Kolkata, Jawaharlal Nehru University, and of course, DEI, Dayalbagh. There was a Panel Discussion on the concluding day on the topic "Consciousness, Decoherence and Measurement Problem in Quantum Theory" chaired by Prof. P.K. Kalra, Director, IIT Rajasthan. Mr. S.C. Chetal, Director, Indira Gandhi Centre for Atomic Research, Kalpakam was the Chief Guest at the Valedictory Function. Over 200 delegates attended the School which was telecast in the adjoining Centre for Consciousness Studies also.



PARITANTRA, Sixth Indian Students Systems Conference was organized on September 22, 2012 at the Quantum-Nano Systems Centre and Centre for Consciousness Studies on the theme 'Toward a Science of Consciousness'. Paritantra is a Sanskrit word which stands for 'all-encompassing general systems' and true to its meaning, there was huge contribution from all system domains, from humanities and literary systems to educational systems, socio-economic, commerce and business systems, consciousness studies, life-and-physical sciences and engineering systems. This edition of PARITANTRA was organized in advance to serve as a launch pad for students for the mega-event of the Twentieth Conference on Toward a Science of Consciousness (TSC 2013) conference in March 2013.

PARITANTRA featured paper and poster contributions from students at other DEI Chapters of the Society located all over the country in various Distance Education centres. There were 66 oral presentations in 6 sessions and a poster session and the conference witnessed several hours of buzzing activity in all aspects of systems studies with a wide



## PARITANTRA September 22, 2012 Sixth Indian Students Systems Conference

spectrum of topics being discussed. The best presentations of the day were awarded with Young Systems Scientist Awards.

The Valedictory Talk entitled "Codes of Coexistence" was delivered by Prof. T. Karunakaran, Former Director, Mahatma Gandhi Institute of Rural Industrialization, Wardha.



## NSC 2013 XVIII NATIONAL SYSTEMS CONFERENCE DECEMBER 5-7, 2013 IIT JODHPUR

The XVIII National Systems Conference (NSC 2013) will be organized by Centre of Excellence in Systems Science, IIT Jodhpur, from December 5-7, 2013 on the theme "Systems Thinking in Social Innovation and Emerging Technologies". The last date for submission of papers is July 15, 2013. Details are available online at: <http://www.iitj.ac.in/nsc2013>.

## NSC 2012 XXXVI National Systems Conference December 6-8, 2012 Annamalai University, Tamil Nadu

The XXXVI National Systems Conference (NSC 2012) was organized by Department of Electronics and Instrumentation Engineering, Faculty of Engineering and Technology, Annamalai University, Tamil Nadu from December 6-8, 2012. The Inaugural Function was addressed by Prof. Madan Gopal, Director, School of Engineering, Shiv Nadar University, Noida; Prof. Kalra, Director IIT Rajasthan and President

SSI; and Prof. S. Velusami, Dean, Faculty of Engineering and Technology, Annamalai University. Lifetime Achievement Award of SSI was conferred on Mr. S.C. Chetal, Director, Indira Gandhi Centre for Atomic Research, Kalpakkam; Prof. Amitabha Ghosh, Bengal Engineering & Science University Shibpur and Dr. M.C.Vaithilingam, Former Head of Department of Instrumentation Engg., Annamalai University. SSI National Systems Gold Medal was conferred on Prof. Sanjay G. Dhande, former Director, IIT Kanpur. The Varshney award was presented to Mr. Subramanya Udupa, Control Systems Group, Bangalore. SSI Vikram award was presented to Mr. G Satheesh Reddy, Director, Inertial Systems, Research Centre Imarat (RCI), Hyderabad. Young Scientist Award was presented to Dr. Deepak Mishra, Department of Avionics, Indian Institute of Space Science and Technology Trivandrum and Mr. Baby Sebastian, Section Head, Servo System Design Section, VSSC Thiruvananthapuram. The AGM of SSI was held after the Inaugural Function.



## SCI-HIGH 2012 April 21-27, 2012 Summer School in Science for High School Students



It was a great learning experiment for Dayalbagh Educational Institute to organize the Summer School in Science for High School Students (SCI-HIGH 2012) from April 21 to April 27. The school comprised of 1-hour expert lectures to provide a window on state of the art topics such as quantum computing, nano computing, internet technologies, multimedia technologies, computer vision, solar power, biotechnology, green chemistry, opportunities and frontiers in life sciences, VLSI technologies, Photonics, Medical Science and Physiology, Virtual Labs and Scientific Instrumentation among others. These serve as an eye-opener to the visions for the 21st century for the students and provided them a glimpse of the wonderful opportunities that lie ahead in science. The school also had visits to several labs including SQUID systems at Quantum-Nano



Centre, Multimedia Lab, VLSI Lab, Photonics Lab, DEI Solar Power Plant and Virtual Instrumentation Lab at USIC to provide a first-hand view of science in action. On April 23, there was a Video Talk by Prof. Douglas Osheroff, Nobel Laureate in Physics 1996 on "How Advances in Science are Made" and a Plenary Talk by Prof. B.S. Sonde, former Professor, IISc Bangalore and former Vice-Chancellor, Goa University. Mr. R.P. Agrawal, Chairman, Board of Governors, IIT Delhi was the Chief Guest at the Valedictory Function on April 27. The DEI-IIT Delhi MoU for research and academic collaboration, first signed in 2007, was renewed during the Valedictory Function of SCI-HIGH 2012, with Dr. R.K. Shevgaonkar, Director, IIT Delhi addressing the gathering through video-conferencing from IIT Delhi.