



# Paritantrika

## GENERAL SYSTEMS NEWS

A Newsletter of the DEI-Dayalbagh Chapter of Systems Society of India

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Special (Tenth) Issue Commemorating Centenary Year of Education in Dayalbagh (2016-17)



**I**nternational School on Quantum and Nano Computing Systems (QANSAS 2015) was organized from November 25–28, 2015 with 24 invited speakers from top academic and research institutes including University of Waterloo; University of Alberta; University of California at Berkeley and Santa Barbara; Wichita State University; Texas A & M University; New York University; Kiel University; University College London; IIT Delhi, IIT Kanpur, JNU Delhi, IISER Kolkata, TIFR Mumbai, and of course, DEI, Dayalbagh.

A special forum on 'Consciousness: Integrating Eastern and Western

## QANSAS 2015

November 25 – 28, 2015

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

Perspectives' was organized on November 25. Vision Talk was delivered by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions entitled "Towards Ultimate Consciousness Conjecture (for the Human Microcosm and the Grand

Macrocosm)". Plenary Talks were delivered by Prof. Gyorgy Buzsaki, The Neuroscience Institute, New York University and Prof. Semir Zeki, University College London. The Inaugural Talk on November 26 was delivered by Prof. Elizabeth Behrman, Wichita State University. A Special

Workshop on Quantum Field Theory (QFT) was offered on November 27 by Prof. Anthony Zee, University of California at Santa Barbara. The Valedictory Talk on November 28 was delivered by Prof. William R. Klemm, Texas A & M University. Panel Discussion moderated by Mr. Prem Prashant in the Valedictory Function was also attended by Mr. Vinay Sheel Oberoi, Secretary, Higher Education, Ministry of Human Resource Development, Government of India, who delivered the Convocation Address at DEI in the afternoon.



## Landmark Workshop on December 19, 2015 : Embodiment of Dayalbagh Way of Life@130

[Commemorating 130th Birthday of the Great Thomasonian : Param Guru Huzur Mehtaji Maharaj (Rai Sahab Gurcharan Das Mehta)]

Landmark Workshop on Embodiment of Dayalbagh Way of Life@130 commemorating the 130th Birthday of the Great Thomasonian : Param Guru Huzur Mehtaji Maharaj (Rai Sahab Gurcharan Das Mehta)] was organized on December 19, 2015 on the theme 'Discipline; self-sacrifice; hard sustained work; serving others; conservation of resources; universal economy; unity in purpose, thought and action; are key values and qual-



ities for achieving enduring success in all endeavours of life'. Plenary talks were delivered by Prof. S.P. Gupta, IIT Roorkee; Prof. D.V. Singh,

Former Vice-Chancellor, University of Roorkee; Prof. Prem Vrat, Founder Director, IIT Roorkee; Prof. S.K. Khanna, Former Head, Dept. of Civil Engineering, IIT Roorkee; and Prof. R.C. Malhotra, Former Director, IIT Kanpur. A brief session on 'Reminiscences of Param Guru Huzur Mehtaji Maharaj' was also addressed by several exalted personalities who were blessed with close association with Huzur Mehtaji Maharaj.

## TSC 2015 (June 8-13, 2015), Helsinki, Finland Toward a Science of Consciousness Conference

A large delegation from DEI, comprising around 50 faculty members, research scholars and students visited Helsinki, Finland for the Toward a Science of Consciousness Conference (TSC 2015) organized from June 8-13, 2015 for both the East-West Forum on June 8 as well as the main event in the following days.

A pre-event rehearsal TSC@DEI 2015 was held at DEI on May 21, 2015. The East-West Forum on June 8 was held in video-conferenced mode with DEI, Dayalbagh and was attended by around 100 delegates, 60 from the West and 40 from India. The Vision Talk was delivered from Dayalbagh by Revered Prof. P.S. Satsangi, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. Panel Discussion was held on "Consciousness: Integrating Eastern and Western



Perspectives" with notable inputs from DEI also. Among the foreign experts at the East-West Forum were Prof. Stuart Hameroff, Prof. Rocco J Gennaro, Dr. Anirban Bandyopadhyay, Prof. Mani Lal Bhaumik, Prof.

John Hagelin, Dr. Tarja Kallio-Tamminen, Prof. Max Velmans and Dr. Douglas Friesen.

In the subsequent days, DEI delegation participated fully in the main event from June 9-13. DEI concur-



rent talk and posters were held on June 10. The Poster session involved lot of discussion and continued till late in the evening. The conference has now been named as 'The Science of Consciousness' (TSC 2016 onwards) instead of 'Toward a Science of Consciousness' (till TSC 2015). TSC 2016 will be organized at Tucson, Arizona and Prof. Hameroff has invited DEI to conduct East-West Forum on April 25, 2016.

## SCI-HIGH 2015 (March 2-9, 2015) 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 2015) from March 2 to March 9. 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 in Magnetically Shielded Room at Quantum-Nano Centre and Solar Power Plant to provide a first-hand view of science in action. Prof. S.C. Dutta Roy, Former Professor, IIT Delhi, delivered the Valedictory Talk entitled "The Road Ahead" on March 9. We have



also taken a leaf out of Engineering Science Quest programme organized by University of Waterloo to enhance the SCI-HIGH programme with workshops and camps to spark the imagination of students.

## Indo-German Colloquium: Education and Research in Dialogue (June 1-4, 2015)

'Indo-German Colloquium: Education and Research in Dialogue' between Christian-Albrechts University, Kiel and DEI, Dayalbagh was organized at Kiel, Germany from June 1-4, 2015 with participation from DEI delegates on way to TSC 2015 at Helsinki. A few sessions conducted through video-conferencing with DEI, Dayalbagh were highly appreciated by even senior Professors at CAU, Kiel as a green way of collaboration which they could actually see in action with DEI. The Inaugural Session was attended by Prof. Lutz Kipp, President of Kiel University and a Dinner Reception was hosted by Prof. Anja Pistor-Hatam,



Vice-President, who had visited DEI in February 2015. Sessions were conducted on 'Consciousness Studies: Experiments and Modelling', 'Interdisciplinary Approaches to Consciousness Studies', Computer Science, Physics, Materials Science and Social Sciences. A joint resume was also prepared towards the end of the colloquium.

## Workshop on Vedic-Yogic Knowledge (March 25, 2015)

वैदिक-योगिक  
ज्ञान-विज्ञान-  
संस्कृत/ति 2015

Workshop on Vedic-Yogic Knowledge including Mathematics (गणित ज्ञान), Sciences (विज्ञान), Language and Culture (संस्कृत/ति) दयालबाग शताब्दी संस्करण 2015 was organized on March 25, 2015 jointly by मौलिक-भारतीय-वैदिक योग-साधित नव्यता-विकास केन्द्र, दयालबाग ['नवि-केन्द्र', दयालबाग 'NAVI-KENDRA', DAYALBAGH], Information Communication Neuro-Cognitive Technologies



Assisted Language Lab (i-c-n-c TALL) and Centre for Consciousness Studies with home-grown experts from all over India as well as DEI, Dayalbagh. Key Note Talk was delivered by Prof. K. Ramasubramanian, IIT Bombay on 'Overview of Indian Mathematics'. The ultimate aim is to have yogic techniques in mathematics for sharpening intuition.



## PARITANTRA 2015 (November 11, 2015) Ninth Indian Students Systems Conference

PARITANTRA 2015, Ninth Indian Students Systems Conference was organized on November 11, 2015 at the Quantum-Nano Systems Centre and Centre for Consciousness Studies on the theme 'Values Education and Quality Teaching (with Particular Reference to Work-Experience, Internship, Skills and Entrepreneurship)' as part of DEI in 'Values and Quality Day' celebrations with ac-

tive participation of DEI Chapters of the Society located all over the country in various Distance Education centres. The best presentations of the day were awarded with Young Systems Scientist Awards. The Valedictory Talk entitled "The Development of Professional Ethics/Values: The University of Waterloo Approach" was delivered by Prof. Peter Roe, University of Waterloo, Ontario, Canada.