

Sciente Stage: Inaugural event of Vigyan Samagam (Mumbai)

Wednesday 08 May 2019 - Thursday 09 May 2019

Nehru Science Centre, Worli, Mumbai

Programme

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Wednesday 08 May 2019

Inauguration - Auditorium (08 May 09:15-10:50)

Inauguration of the Event

- **Conveners: Dr. Bheesette, Satyanarayana (TIFR, Mumbai)**

time	title	presenter
09:15	Welcome and Lighting of Lamp (00h10')	
09:25	Welcome address (00h05')	Mr. KUMAR, Ranajit (Head, NCPW, DAE, Mumbai)
09:30	About Vigyan Samagam (00h05')	Mr. SRIVASTAVA, Arun (Secretary, AEC & Head, ICPD, DAE, Mumbai)
09:35	Address by Guest of Honour (00h05')	Mr. VYAS, K.N. (Chairperson, AEC and Secretary, DAE, Mumbai)
09:40	Address by Guest of Honour (00h05')	Prof. SHARMA, Ashutosh (Secretary, DST, New Delhi)
09:45	Address by Guest of Honour (00h05')	Mr. CHOUDHURY, A D (Director General, NCSM, Kolkata)
09:50	Address by Guest of Honour (00h05')	Dr. BORDRY, Frédérick (Director for Accelerators and Technology, CERN, Geneva)
09:55	Address by Guest of Honour (00h05')	Dr. BAUM, Andreas (Ambassador of Switzerland to India, New Delhi)
10:00	Address by Chief Guest (00h10')	Dr. SARASWAT, V. K. (Member, NITI Aayog & Chancellor, JNU, New Delhi)
10:10	Release of Vigyan Samagam Brochure (00h05')	
10:15	Keynote address (00h30')	Prof. K., VijayRaghavan (Principal Scientific Adviser, Government of India, New Delhi)
10:45	Vote of Thanks (00h05')	Dr. ASTHANA, Praveer (Head, Mega Science Division, DST, New Delhi)

Inauguration of Exhibitions - (08 May 10:50-11:20)

- **Conveners: Dr. SARASWAT, V. K. (Member, NITI Aayog & Chancellor, JNU, New Delhi)**

High Tea - Auditorium Building (11:20-11:45)

CERN-India - Auditorium (08 May 11:45-13:15)

- **Conveners: Mr. Sharma, Amalendu (RRCAT Indore)**

time	title	presenter
11:45	CERN-India Collaboration Perspectives (00h20')	Dr. TSESMELIS, Emmanuel (CERN, Geneva)
12:05	CERN Accelerators and future projects (00h20')	Dr. BORDRY, Frédéric (Director for Accelerators and Technology, CERN, Geneva)
12:25	Indian Contributions in CERN (00h20')	Mr. SHRIVASTAVA, Purushottam (AD, Proton Accelerator Group, RRCAT, Indore)
12:45	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Dr. JAGADEESH, B.S. (Distinguished Scientist, BARC, Mumbai) Prof. CHOUDHARY, Brajesh (Spokesperson, India-CMS collaboration) Prof. RANIWALA, Sudhir (University of Rajasthan, Jaipur)

Lunch break - Auditorium Building (13:15-14:00)

CERN-India - Auditorium (08 May 14:00-14:30)

- **Conveners: Mr. Sharma, Amalendu (RRACAT Indore)**

time title

presenter

time	title	presenter
14:00	Doing Business with CERN (00h30')	Mr. UNNERVIK, Anders (Head, Procurement and Industrial Service, CERN)

FAIR - Auditorium (08 May 14:30-16:00)

- **Conveners: Prof. Das, Supriya (Bose Institute, Kolkata); Prof. Raha, Sibaji (Bose Institute, Kolkata)**

time	title	presenter
14:30	FAIR, the Universe in the Laboratory (00h20')	Prof. GIUBELLINO, Paolo (Scientific Managing Director, GSI & FAIR)
14:50	FAIR: the next generation accelerator, a technology marvel (00h20')	Dr. BHANDARI, R.K. (Inter University Accelerator Centre, New Delhi)
15:10	Indian industries at FAIR (00h20')	Dr. CHATTOPADHYAY, Subhasis (Programme Director, FAIR Project)
15:30	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Prof. RAHA, Sibaji (Bose Institute, Kolkata) Mr. MAYYA, Y. S. (Raja Ramanna Fellow, Department of Atomic Energy) Prof. SENGER, Peter (Head of CBM Department, GSI Darmstadt)

Tea break - Auditorium Building (16:00-16:30)

INO - Auditorium (08 May 16:30-18:00)

- **Conveners: Dr. Bheesette, Satyanarayana (INO/TIFR, Mumbai); Prof. Majumder, Gobinda (TIFR, Mumbai)**

time	title	presenter
16:30	Neutrinos: New Window to the Universe (00h20')	Prof. DIGHE, Amol (Dean, Graduate Studies, TIFR, Mumbai)
16:50	Why INO (India-based Neutrino Observatory)? (00h20')	Prof. DATAR, Vivek (Project Director, INO, TIFR, Mumbai)
17:10	Spin-offs and societal benefits of INO project (00h20')	Dr. BHEESETTE, Satyanarayana (Scientific Officer (H), INO, TIFR, Mumbai)
17:30	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Mr. S.P., Prabhakar (Scientific Officer (H), BARC, Mumbai) Ms. BEHERE, Anita (Head, Electronics Division, BARC, Mumbai) Mr. AMTE, Nitin (General Manager (R&D;), Essar Steel India Limited, Hazira)

Thursday 09 May 2019

ITER - Auditorium (09 May 09:30-11:00)

International Thermonuclear Experimental Reactor

- **Conveners: Mr. Sulaiman, Dilshad (ITER India)**

time	title	presenter
09:30	India's Plasma Science & Technology Program and Spin-offs (00h20')	Dr. CHATURVEDI, Shashank (Director, IPR, Gandhinagar)
09:50	The ITER Project: "the way" to new energy (00h20')	Dr. COBLENTZ, Laban (Head, Communications, ITER, France)
10:10	India's participation in ITER – Technology challenges and Industry response (00h20')	Mr. BARUAH, Ujjwal (Project Director, ITER-India)
10:30	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Mr. CHAKRABORTY, Arun (Project Manager, Diagnostic Neutral Beam, ITER-India) Dr. K., Balasubramanian (Director, NIFTDC, Hyderabad) Prof. DUSANE, Rajiv (P. K. Kelkar Chair Professor in Nanotechnology, IIT Bombay) Mr. PANJWANI, Rajkumar (President, Cryo Scientific Division, INOX India (P) Ltd.)

Tea break - Auditorium Building (11:00-11:30)

LIGO - Auditorium (09 May 11:30-13:00)

Laser Interferometer Gravitational-Wave Observatory

- Conveners: Prof. Parameswaran, Ajith (ICTS-TIFR Bengaluru); Dr. Mitra, Sanjit (IUCAA, Pune)

time	title	presenter
11:30	The Gravitational Wave Astronomical Revolution: India's Emerging Role (00h20')	Dr. REITZE, David (Executive Director, LIGO Laboratory)
11:50	LIGO-India Project - Optical Instrumentation at its limits! (00h20')	Dr. RAJA, Sendhil (Head, Laser & Optical Instrumentation Section, RRCAT)
12:10	LIGO India - opportunities for the industry (00h20')	Prof. MUKHERJEE, Subroto (Head LIGO Division, IPR, Gandhinagar)
12:30	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Prof. BOSE, Sukanta (Professor, IUCAA, Pune) Dr. BEKAL, Anish (Forbes Marshal Pvt Ltd, Pune) Prof. PAI, Archana (IIT Bombay) Prof. RAYCHAUDHURY, Somak (Director, IUCAA, Pune)

Lunch break - Auditorium Building (13:00-14:00)

SKA - Auditorium (09 May 14:00-15:30)

Square Kilometre Array

- **Conveners: Prof. Das, Prasanta Kumar (BITS Pilani Goa campus)**

time	title	presenter
14:00	The Square Kilometre Array : an Astronomer's Dream Science Machine (00h20')	Prof. BRAUN, Robert (Science Director, SKA Organisation)
14:20	Technology challenges on the road to designing and building the SKA (00h20')	Prof. GUPTA, Yashwant (Centre Director, NCRA, TIFR, Pune)
14:40	Indian industry engagement in the SKA : current status and future prospects (00h20')	Prof. WADADEKAR, Yogesh (NCRA, TIFR, Pune)
15:00	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Dr. THIAGARAJ, Prabu (Raman Research Institute, Bengaluru) Mr. KUMTHEKAR, Vikas (Tata Consultancy Services Limited, Pune) Ms. VALAME, Snehal (Persistent Systems, Pune)

Tea break - Auditorium Building (15:30-16:00)

TMT - Auditorium (09 May 16:00-17:30)

Thirty Meter Telescope

- **Conveners: Dr. Subramanian, Smitha (IIA, Bengaluru)**

time	title	presenter
16:00	Thirty Meter Telescope (00h20')	Dr. BHATIA,, Ravinder (Associate Project Manager, TMT Project)
16:20	Challenging technology horizons for expanding discovery space (00h20')	Prof. A.N., Ramaprakash (IUCAA, Pune)
16:40	Building Distributed Telescope Control System for TMT (00h20')	Dr. AHMED, Mushtaq (Architect, ThoughtWorks, Pune)
17:00	Panel Discussion: Leveraging collaboration for Indian science and industry (00h30')	Prof. A.N., Ramaprakash (IUCAA, Pune) Prof. G.C., Anupama (Dean, IIA, Bengaluru & President, ASI) Prof. MURTHY, Jayant (Director (Ag), IIA, Bengaluru) Mr. VAIDYA, Surendra (Executive VP & Business Head, Godrej Aerospace)

Feedback and Conclusion - Auditorium (09 May 17:30-18:05)

Feedback and Conclusion of the Event

- **Conveners: Mr. Sarkar, Suman (BARC, Mumbai)**

time	title	presenter
17:30	Perspectives from Indian Industries (00h05')	Mr. NUNI, Rambabu (Executive Director (Nuclear), ECIL)
17:35	Perspectives from Indian Industries (00h05')	Mr. T.T., Mani (Co-founder and Managing Director, Avasarala)
17:40	Perspectives from Indian Industries (00h05')	Mr. ROY, Subhrojyoti (Sr. Scientist, TCS Research and Innovation)
17:45	Perspectives from Indian Industries (00h05')	Mr. G., Shankar (Director, Metallic Bellows (India) Pvt. Ltd.)
17:50	Closure of Sciente Stage (00h10')	Dr. BHEESETTE, Satyanarayana (INO/TIFR, Mumbai)