



## **2<sup>nd</sup> National CME on “Neuromodulation: Focus on Neuropsychiatry and Behavioral Neurology”**



ORGANIZED BY

**DEPARTMENT OF PSYCHIATRY  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS)  
NEW DELHI-110029**

**Date**

13<sup>th</sup> May 2018

**Venue**

Dr. Ramalingaswamy Board Room, AIIMS, New Delhi

*Dear Colleagues*

*We are pleased to announce the 2<sup>nd</sup> National CME on “**Neuromodulation: Focus on Neuropsychiatry and Behavioral Neurology**” being organized by the Department of Psychiatry, All India Institute of Medical Sciences (AIIMS), New Delhi on 13<sup>th</sup> May, 2018.*

*Neuromodulation (Neuro: Nerves, Modulation: dynamic change in the system), is one of the fastest emerging technology in the field of medicine, science, and bioengineering that comprehend both non-invasive and invasive technology with objective to improve the quality of life of the person suffering from various neuropsychiatric conditions. It plays the divergent role in attaining the neurophysiological and functional aspects through an interventional module pertaining to all aspects of the field in clinical medicine.*

*This emerging integrated technology covering field from computational, experimental neuroscience, clinical neurology, electrical engineering, signal processing of living tissues, robotic and nanotechnology has long term implementation in modulating the neuronal elements without causing any ablation to the nervous system. This includes, main non -invasive techniques like trans cranial magnetic stimulation (TMS) or direct current stimulation (tDCS) which works on the principle of delivering magnetic or electric current via conducting probes whereas invasive modulatory techniques include deep brain stimulation (DBS), cortical stimulation (CS), vagus nerve stimulation (VNS), spinal cord stimulation (SCS) and peripheral nerve stimulation (PNS). Apart from these neuromodulatory magnetic and electrical mechanisms, newer avenues of modulation techniques such as utilizing ultrasound and optics are finding its way into the field. Use of various technical tools including neuroimaging, electrophysiology and biotechnology have made a significant contribution in understanding the pathophysiology of various diseases which not only has helped in characterizing the predictors with response to the treatment but also has played a major path in understanding an oscillatory pattern in the brain.*

*Recent advanced studies using gene therapy and the administration of chemical compounds to modulate the neuronal and biochemical activity using various technical tools have been conducted and are in its infancy. Researchers believe that in future this contributing zone of technical and biological field might bring promising interventional regimes to overcome the burden of chronic neuropsychiatric and neurological conditions. The basic aim of this CME is to build a platform where the skilled professionals from their respective background like neurosciences, clinical neurobiology, electrical engineering, robotic technology, share their clinical experiences which might help them to enable them in developing and implementing innovative interventional approach for managing long-term chronic disorders.*

**Patron**

Prof. R Guleria  
Director  
AIIMS, New Delhi

**Co- Patron**

Prof. K Prasad  
Head, Department of Neurology  
Chief, Neurosciences Centre  
AIIMS, New Delhi

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*Prof. Rakesh Kumar Chadda*

Head, Department of Psychiatry,  
Chief, National Drug Dependence Treatment Centre (NDDTC), AIIMS

### Organizing Secretary

*Dr. Nand Kumar*

### Joint Organizing Secretary

*Dr. Rohit Verma*

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## SCIENTIFIC PROGRAM

Time	Schedule	Speaker	
0900 - 1000	Inauguration Ceremony	Lamp Lightening	
		Welcome Address - <b>Brain Stimulation - Past, Present &amp; Future</b>	<b>Prof Nand Kumar</b>
		Address by HOD Psychiatry & Chief NDDTC, AIIMS	<b>Prof RK Chadda</b>
		Address by HOD Neurology & Chief Neurosciences Centre, AIIMS	<b>Prof K Prasad</b>
		Address by Director, AIIMS	<b>Prof R Guleria</b>
		Address by Chief Guest	
1000 - 1020	<b>Tea Break</b>		
1020 - 1140	Symposium: <b>Evolution of Neuromodulation</b> Chairpersons: <b>Prof Smita Deshpande</b> , <i>Professor &amp; Head of Psychiatry, PGIMER RML Hospital New Delhi</i> <b>Prof KP Kochhar</b> , <i>Professor of Physiology, AIIMS, New Delhi</i> <b>Prof Arshad Hussain</b> , <i>Professor of Psychiatry, GMC, Srinagar</i> <b>Prof Senthil Kumaran</b> , <i>Professor of NMR, AIIMS, New Delhi</i>		
1020 - 1040	ECT - A Psychiatrist's Tool	<b>Dr Nishant Goyal</b> <i>Associate Professor of Psychiatry, CIP Ranchi</i>	
1040 - 1100	Neurotransmitters to Neuromodulation	<b>Prof Muralidhara S Rao</b> <i>Professor of Psychiatry, Loyola University Medical center, Chicago, USA</i>	
1100 - 1120	TMS - A methodological outlook	<b>Prof Jagadisha Thirthalli</b> <i>Professor of Psychiatry, NIMHANS, Bangalore</i>	
1120 - 1140	tDCS - Applied Neurophysiology	<b>Prof KK Deepak</b> <i>Professor &amp; Head of Physiology, AIIMS, New Delhi</i>	
1140 - 1300	Symposium: <b>Neuromodulation Traversing Disciplines</b> Chairpersons: <b>Prof KS Anand</b> , <i>Professor &amp; Head of Neurology, PGIMER Dr RML Hospital New Delhi</i> <b>Prof Rajesh Sagar</b> , <i>Professor of Psychiatry, AIIMS New Delhi</i> <b>Prof Dinesh Kataria</b> , <i>Professor &amp; Head of Psychiatry, LHMC &amp; Smt SK Hospital New Delhi</i> <b>Prof Suman Jain</b> , <i>Professor of Physiology, AIIMS, New Delhi</i>		
1140 - 1200	TMS - A Neurologist's Perspective	<b>Prof Achal Srivastava</b> <i>Professor of Neurology, AIIMS, New Delhi</i>	
1200 - 1220	TMS – Physiological perspective in pain modulation	<b>Dr Renu Bhatia</b> <i>Associate Professor of Physiology, AIIMS, New Delhi</i>	
1220 - 1240	TMS - A Psychiatrist's Perspective	<b>Dr Shubhmohan Singh</b> <i>Associate Professor of Psychiatry, PGI Chandigarh</i>	
1240 - 1300	TMS - Role in PMR	<b>Dr Amit Mehndiratta</b> <i>Associate Professor of Biomedical Engineering, IIT Delhi</i>	
1300 - 1430	<b>Lunch Break</b>		

1430 - 1530	Workshop on fNIRS (Functional Near Infra-Red Spectroscopy)	
<b>1530 - 1540</b>	<b>Tea Break</b>	
1540 - 1700	Symposium: <b>Neuromodulation: What the future upholds</b> Chairpersons: <b>Prof Pratap Sharan</b> , <i>Professor of Psychiatry, AIIMS New Delhi</i> <b>Dr Sunil Mittal</b> , <i>Director, CIMBS, New Delhi</i> <b>Dr Vishal Dhiman</b> , <i>Assistant Professor of Psychiatry, AIIMS Rishikesh</i> <b>Dr Shrigopal Goyal</b> , <i>Associate Professor of Psychiatry, SPMC, Bikaner</i>	
1540 - 1600	VNS, DBS and Psycho-Surgical modulation	<b>Prof Sarat Chandra</b> <i>Professor of Neurosurgery, AIIMS New Delhi</i>
1600 - 1620	Emerging Neuromodulation Techniques	<b>Dr Sujit Kar</b> <i>Associate Professor of Psychiatry, KGMC Lucknow</i>
1620 - 1640	Addiction and Neuromodulation	<b>Dr Siddharth Sarkar</b> <i>Assistant Professor of Psychiatry &amp; NDDTC, AIIMS New Delhi</i>
1640 - 1700	Robotic Neuronavigation - Beyond Cortical Mapping	<b>Dr Rohit Verma</b> <i>Assistant Professor of Psychiatry, AIIMS New Delhi</i>
<b>1700 - 1715</b>	Valedictory	

## **fNIRS: Live Demonstration Workshop**

We are pleased to announce that a live demonstration will be held in the upcoming National CME on Functional Near Infra-Red Spectroscopy (fNIRS) utilized for Diffuse Optical Tomography in the fascinating field of Biomedical Imaging.

### **Registration**

The participants need to register for the CME through the online portal - <http://www.aiimspychiatry.org/neuromod2018>

There is no registration fee for the CME. Please note that limited seats are available hence you are requested to pre-register through the web portal. Spot registration is not guaranteed. **Deadline for e-registration is 11<sup>th</sup> May 2018 (05:00pm IST)**. An e-certificate of participation will be mailed to each registered participant after the workshop.

### **Journal Publication**

The proceedings of the workshop will be published in the upcoming issue of **Asian Journal of Cognitive Neurology**

### **Contact**

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