

## 15th January 2019

Time	Session	Venue
08:30 – 09:30	Registration	Ground Floor Foyer, VMCC
09:30 - 13:00	Short Course: Cryocoolers Instructors: (1) Srinivasan Kasthuriangan, IISc (2) H. B. Naik, SVNIT	Hall 23, VMCC
12:00 – 14:00	Registration	Ground Floor Foyer, VMCC
13:00 – 14:00	Lunch	Outside Garden Cafeteria (Ground Floor), VMCC
14:00 – 17:30	Short Course: Superconducting materials and magnets Instructors: (1) Venkat Selvamanickam, University of Houston (2) Ram Gopal Sharma, IUAC	Hall 22, VMCC
14:00 – 17:30	Short Course: Helium Liquefaction/ Refrigeration Systems – Theory and Design Aspects Instructors:(1) Mukesh Goyal, BARC (2) Anindya Chakravarty, BARC	Hall 23, VMCC
18:00 – 20:00	ICC Executive committee meeting	Board Room, VMCC
18:00 – 20:00	IIT Bombay Lab Visit	Cryogenics and Refrigeration Lab
20:00 – 22:00	Dinner for ICC Executive Committee Members	Third floor foyer, VMCC

# 16th January 2019

Time	Session	Session Name	Session Chair(s)	Venue
08:00 - 09:00		Registration		Ground Floor Foyer, VMCC
09:00 – 10:00		Symposium Inauguration		Prof. B. Nag Auditorium, VMCC
10:00- 10:15		Symposium Photograph		Prof. B. Nag Auditorium, VMCC
10:15- 10:40		Exhibition Opening and High Tea		Ground Floor Foyer, VMCC
10:40– 11:25	Plenary talk-PL1	Title: Progress in the Development of REBCO Coated Conductors for High Magnetic Field and Power Applications.  Speaker: Venkat Selvamanickam, University of Houston	R. K. Bhandari, IUAC	Prof. B. Nag Auditorium, VMCC
11:30 – 13:00	Oral Sessions	OAm1A: Cryocoolers and Cryogenic Measurements	(1) Kanchan Chowdhury, IIT Kharagpur (2) Venkatrathnam G., IIT Madras	Hall 21, VMCC
		OAm1B: Superconductivity for Accelerators and Power Applications	(1) Tripti Sekhar Datta, IUAC (2) Hitensinh Vaghela, ITER India	Hall 23, VMCC
13:00 – 14:00	Lunch			Outside Garden Cafeteria (Ground Floor) & Terrace Canopy (Second Floor), VMCC
14:00 – 15:30	Poster Sessions:	P1-A: Cryocoolers, Regenerators	Hemant Naik, SVNIT	First Floor Foyer, VMCC
		P1-B: Cryogenic Electronics		
		P1-C: Cryogenic Power Cables and Leads	Tapas Nandi, IIT Kharagpur	
		P1-D: Cryogenics Industrial Applications		
		P1-E: Expanders, Pumps, Compressors	P. M. Ardhapurkar, MGI-COET	
		P1-F: Fluid Mechanics, Heat Transfer		
		P1-G: Large-Scale Refrigeration & Liquefaction	Rajvir Doohan, RRCAT	
		P1-H: Large-Scale Systems, Facilities & Testing		
		P1-I: Superconductivity for Accelerators and Fusion Programs	Vaishali Naik, VECC	
		P1-J: Superconductivity for Other Applications		
		P1-K: Superconductivity for Power Applications		
		P1-L: YBCO, BSCCO Wires & Tapes	Sundar Sankaran, BARC	
		P1-M: Superconducting Magnet Systems		
15:30 – 16:00	Tea			First Floor Foyer, VMCC
16:00 – 18:00	Oral Sessions	OPm1A: Cryocoolers	(1) Trilok Singh, TriQual Cryogenics Pvt Ltd (2) Karunanithi Rangasamy, IISc	Prof. B. Nag Auditorium, VMCC
		OPm1B: Superconducting Magnet Systems	(1) Subimal Saha, Bose Institute (2) Arup Bandyopadhyay, VECC	Hall 21, VMCC
		OPm1C: Cryogenic Large-Scale Systems, Facilities, Testing and Industrial Application	(1) Shridhar Bapat, IIT Bombay (2) T. John Tharakan, LPSC (ISRO)	Hall 23, VMCC
18:00 – 20:00		ICC AGM		Prof. B. Nag Auditorium, VMCC
20:00 – 21:30	Dinner			Outside Garden Cafeteria (Ground Floor) & Terrace Canopy (Second Floor), VMCC

# 17th January 2019

Time	Session	Session Name	Session Chair(s)	Venue
09:00 – 09:45	Plenary Talk-PL2	Cryogenics and Superconductivity In Accelerators and Medical Systems : Scenario in India and the world  Speaker: Tripti Sekhar Datta, IUAC	K G Narayankhedkar, MGM CoET	Prof. B. Nag Auditorium, VMCC
09:45 – 10:30	Plenary Talk-PL3	Superconducting and Cryogenic Technologies for Quantum Applications  Speaker: Ziad Melhem, Oxford Instruments NanoScience	Thimmakudy Radhakrishnan, IGCAR	Prof. B. Nag Auditorium, VMCC
10:30 - 11:00	Tea			First Floor Foyer, VMCC
11:00 – 13:00	Oral Sessions	OAm2A: Large scale refrigeration and liquefaction	(1) Pradeep Kush, RRCAT (2) Ranjit Sahoo, NIT Rourkela	Prof. B. Nag Auditorium, VMCC
		OAm2B: Superconducting measurement, materials and Magnet Systems	(1) Ram Gopal Sharma, IUAC (2) V. V. Rao, IIT Kharagpur	Hall 21, VMCC
		OAm2C: Fluid Mechanics and Heat Transfer	(1) Atul Srivastava, IIT Bombay (2) Mukesh Goyal, BARC	Hall 23, VMCC
13:00 – 14:00	Lunch			Outside Garden Cafeteria (Ground Floor) & Terrace Canopy (Second Floor), VMCC
14:00 – 15:30	Poster Session-2	P2-A: Cryocoolers, Regenerators	(1) Upendra Behera, IISc (2) Srinivasan Kasthuriengan, IISc (3) Nihar Walimbe, DPCOE	First Floor Foyer, VMCC
		P2-B:Cryogenics Industrial Applications	Ranjana Gangradey, IPR	
		P2-C:Expanders, Pumps, Compressors	Shankar Krishnan, IIT Bombay	
		P2-D:Fluid Mechanics, Heat Transfer		
		P2-E:Thermal Insulation Systems	Gireesan Katholil, IGCAR	
		P2-F:Large-Scale Systems, Facilities & Testing		
		P1-G:Superconductor Measurements		
		P2-H:Superconducting Magnet Systems	Tamal Bhattacharyya, VECC	
		P2-I:Superconductivity for Power Applications		
15:30 – 16:00	Tea			First Floor Foyer, VMCC
16:00 – 18:00		Academia - Industry Panel Discussion		Prof. B. Nag Auditorium, VMCC
17:00 - 17:45		IIT Bombay Lab Visit		Cryogenics and Refrigeration Lab
18:15 – 19:45		Cultural Program		PC Saxena Auditorium
20:00 – 22:00	Banquet Dinner			IIT Bombay Lawns

## 18th January 2019

Time	Session	Session Name	Session Chair(s)	Venue
09:00 – 09:45	Plenary Talk-PL4	LNG Opportunities in India Speaker: Parag P. Kulkarni, INOX India Pvt. Ltd.	Trilok Singh, TriQual Cryogenics Pvt Ltd	Prof. B. Nag Auditorium, VMCC
09:45 – 10:30		Acceptance Speeches by Lifetime Awardees	(1) Sunil Kumar Sarangi, IIT Bhubaneswar	Prof. B. Nag Auditorium, VMCC
10:30 – 11:00	Tea			First Floor Foyer, VMCC
		OAm3A: Large scale refrigeration, liquefaction and Cryogenic Industrial Application	(1) Tushar Bhowmick, Tudinous Kryos Pvt. Ltd. (2) K. V. Srinivasan, TIFR	Hall 21, VMCC
11:00- 13:00	Oral Sessions	OAm3B: Fluid Mechanics, Heat Transfer and Cryogenic Industrial Application	(1) Subhash Jacob, IISc (2) Hemant Naik, SVNIT	Prof. B. Nag Auditorium, VMCC
13:00 – 14:00	Lunch			Outside Garden Cafeteria (Ground Floor) & Terrace Canopy (Second Floor), VMCC
14:00 – 15:00		Valedictory Function		Prof. B. Nag Auditorium, VMCC
15:00 – 15:30	Tea			First Floor Foyer, VMCC
15:30 – 21:00		TIFR Visit		