



International Conference on 'Advances in Materials, Ceramics & Engineering Sciences'

(AMCES- 2020), 17th – 18th January, 2020

PROGRAM SCHEDULE



DAY 1 - 17TH JANUARY 2020

TIMINGS	EVENTS	
07.30 – 09.30 am	REGISTRATION, Venue: P. C. Sagar Auditorium	
09.30 – 11.00 am	INAUGURATION, Venue: P. C. Sagar Auditorium	
11.00 – 11.40 am	Keynote Address 1	Prof. Masahiro Yoshimura Distinguished Chair Professor (Guest), National Cheng Kung University, Taiwan Title: Growing Integration Layer [GIL] Strategy for Functional and/or Bio-Active Ceramic Coating on Metallic Alloy
11.40 – 12.00 noon	TEA BREAK	
	Session Chair: Dr. A.L. Shashi Mohan	
12.00 – 12.30 pm	Plenary Lecture 1	Dr. Alok Kumar Srivatsava Deputy Director,

		ISAC/ISRO, Bengaluru, India Title: Materials by Choice : Space Applications	
12.30 – 01.00 pm	Plenary Lecture 2	Dr. Harish Barshilia Chief Scientist and Head, Surface Engineering Division, CSIR-NAL, Bengaluru, India Title: Nanostructured materials and coatings for aerospace applications: Challenges and opportunities	
01.00 – 02.00 pm	LUNCH BREAK		
	INVITED TALKS		
02.00 – 02.20 pm	Hall I (C.D. Sagar Auditorium, 2 nd Floor Building No. 10)	Hall II (C.D. Sagar, Building No. 10, Unit - 2, 4 th Floor)	Hall III (C.D. Sagar, Building No. 10, Unit - 1, 4 th Floor)
	Session Chair: Dr. M. Govindappa, Davangere University Managing Faculty: Dr. Malini S	Session Chair: Prof. Prabhakar Kuppahalli, DSCE Managing Faculty: Prof. Anand Badiger	Session Chair: Dr. Kailash Chandra Panda, DSCE Managing Faculty: Mr. Karthik M. A.
	Dr. S.J. Dhoble R.T.M. Nagpur University, Nagpur, India Title: Synthesis, color tuning and temperature depended characterization of inorganic phosphors for eco-friendly LED lighting	Dr. P. Sriram Raspri Engineering Products Co. Ltd, Harohalli, India Title: New high performance metallic materials	Dr. B. K. Chandrashekar Enerzi Microwave Systems Pvt Ltd Belagavi, India Title: Microwave Myths
02.20 – 02.40 pm	Dr. B. M. Nagabhushana M.S. Ramaiah Institute of Technology, India Title: Metal Oxide Based Nanomaterials and Their Applications	Dr. D. Patro DUCOM Instruments, Bengaluru, India Title: Tribological testing of advanced materials and systems : enabling solutions for sustainable growth	Dr. Santanu Ghosh Indian Institute of Science (IISc) Bengaluru, India Title: Carbon dot as a theranostic tool

ORAL PRESENTATIONS				
02.40 – 04.20 pm	Hall I (C.D. Sagar Auditorium, Building No. 10) Technical session 1: Luminescence Materials/Optical Applications/Electrical	Hall II (C.D. Sagar, Building No. 10, Unit - 2, 4 th Floor) Technical session 2: Materials Processing and Manufacturing	Hall III (C.D. Sagar, Building No. 10, Unit - 1, 4 th Floor) Technical session 3: Mechanical Design and Thermal Science – I	Hall IV (C.D. Sagar, Building No. 10, Unit - 3, 4 th Floor) Technical session 4: Advanced Materials and Composites
	Session Chair: Dr. H.B. Premkumar, MSRUAS Managing Faculty: Dr. Malini S	Session Chair: Dr. Shanmuganatan S P, DSCE Managing Faculty: Mr. Nithesh Bhaskar	Session Chair: Dr. M.G. Anand Kumar, CPRI Managing Faculty: Mr. Prajwal C	Session Chair: Dr. Arjun Dey Managing Faculty: Mr. Madhusudhan
	OP46 – OP55	OP1 – OP9	OP10 – OP19	OP29 – OP37
	04.20 – 05.00 pm			
TEA BREAK/ POSTER PRESENTATION [PP-001 – PP-136] – P. C. Sagar Auditorium				
05.00 – 05.30 pm				
CULTURAL PROGRAM – P. C. Sagar Auditorium				
END OF DAY 1				

DAY 2 - 18TH JANUARY 2020	
TIMINGS	EVENTS, Venue: C.D. Sagar Auditorium, 2nd floor, Building No. 10
10.00 – 10.40 am	Keynote Address 2 Dr. Nagahanumaiah Director, Central Manufacturing Technology Institute (CMTI) Bengaluru, India Title: Engineering of Micro Machines and Devices

	Session Chair: Prof. A.M. Umarji		
10.40 – 11.10 am	Plenary Lecture 3	Dr. Suryasarathi Bose Associate Professor, Indian Institute of Science (IISc) Bengaluru, India Title: Shape Memory and Self-healing Polyurethane based composites for Suppressing Electromagnetic Radiation	
11.10 – 11.30 am	TEA BREAK, Venue: C.D. Sagar Food Court		
11.30 – 12.00 noon	Plenary Lecture 4	Dr Anoop Kumar Mukhopadhyay Dean, Manipal University Jaipur Jaipur, India Title: Current Prospects in the Physics of Deformation at Small Length Scale	
	INVITED TALKS		
12.00 – 12.25 pm	Hall I (C.D. Sagar Auditorium, 2 nd floor, Building No. 10)	Hall II (C.D. Sagar, Building No. 10, Unit - 2, 4 th Floor)	Hall III (C.D. Sagar, Building No. 10, Unit - 1, 4 th Floor)
	Session Chair: Dr. S.C. Prashantha Managing Faculty: Mr. Girishkumar G S	Session Chair: Dr. Dinesh Rangappa Managing Faculty: Mr. H. Ramesha	Session Chair: Dr. C.D. Madhusoodana, BHEL Managing Faculty: Mr. Manjunatha
	Dr. Aniruddha Mondal National Institute of Technology Durgapur, India Title: Advantages of heterostructure nanowires for the application of optoelectronic devices	Dr. Indranil Lahiri Indian Institute of Technology Roorkee Roorkee, India Title: Graphene growth by chemical vapour deposition – emerging control factors	Dr. Shubhabrata Datta SRM Institute of Science and Technology Kattankulathur, India Title: Design of materials with improved performance: artificial intelligence and machine learning approaches

<p>12.25 – 12.50 pm</p>	<p>Dr. K. Varaprasad Center for Advanced Polymer Research, CIPA, Chile Title: Engineered Bionanomaterials for advanced Applications</p>	<p>Dr. J. Manjanna Rani Channamma University, Belagavi, India Title: Austenitic to martensitic phase transformation in stainless steels due to strain-induced deformation</p>	<p>Dr. T. Ram Prabhu DRDO Bengaluru, India Title: Functional Graded Composites for Brakes</p>	
<p>01.00 – 02.00 pm</p>	<p>LUNCH BREAK, Venue: C.D. Sagar Food Court</p>			
<p>02.00 – 03.40 pm</p>	<p>ORAL PRESENTATIONS</p>			
	<p>Hall I (C.D. Sagar Auditorium, 2nd floor, Building No. 10) Technical session 5: Materials Synthesis and Applications</p>	<p>Hall II (C.D. Sagar, Building No. 10, Unit - 2, 4th Floor) Technical session 6: Biological/Physical Sciences & Engineering I</p>	<p>Hall III (C.D. Sagar, Building No. 10, Unit – 1, 4th Floor) Technical session 7: Mechanical Design and Thermal Science - II</p>	<p>Hall IV (C.D. Sagar, Building No. 10, Unit - 3, 4th Floor) Technical session 8: Environmental/Energy Applications</p>
	<p>Session Chair: Dr. J. Manjanna, RCU Managing Faculty: Mr. Girishkumar G S</p>	<p>Session Chair: Dr. Sunil More, DSU Managing Faculty: Mr. H. Ramesha</p>	<p>Session Chair: Dr. Seetharama K S, DSCE Managing Faculty: Mr. Manjunatha</p>	<p>Session Chair: Dr. Daruka Prasad, BMSIT Managing Faculty: Mr. Vinayaka H. L.</p>
	<p>OP38 – OP45</p>	<p>OP66 – OP75</p>	<p>OP20 – OP28</p>	<p>OP56 – OP65</p>
<p>03.40 – 04.20 pm</p>	<p>TEA BREAK/ POSTER PRESENTATION [PP-136 – PP-272] – P. C. Sagar Auditorium</p>			
<p>04.20 – 05.00 pm</p>	<p>VALEDICTORY – C. D. Sagar Auditorium</p>			
<p>END OF DAY 2</p>				

02.00 – 04.20 pm	Hall V (Mechanical Dept. room No. 104, 1st Floor) Technical session 9: Biological/Physical Sciences & Engineering II
	Session Chair: Dr. Shanmuganatan S P, DSCE, Dr. H.P. Nagaswarupa, Dr. Farahan Zameer Managing Faculty: Mr. Munnawar Ulla Shariff
	OP76 – OP89