

Special symposium on Opportunities and Challenges in industrialization of SMA Applications					
Coordinator:Dr. B. Vidyashankar, GE Bengaluru					
Day 1:: 10 July 2024				Talk Schedule	
10:00 AM	10:20 AM	Coffee			
Venue:	Hall 1	Session SMA_1	Chair: Bishakh B	IIT-K	Shape Memory Alloys
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
10:30	11:00	SMA/IT-1	Calkins T/Om Prakash	Boeing	Aerospace Applications of SMAs
11:00	11:30	SMA/IT-2	Sujesh S	SCTIMST	Biomedical Applications: An overview of indigenization Efforts
11:30	11:45	SMA/CT-1	Harivignesh Veerarajan	IIT Madras	Dynamic Response of SMA Rods: An experimental approach
11:45	12:00	SMA/CT-2	Shaurya Singh	IIT Kanpur	A smart Passive Mechanism for Adaptive Surface area control and applications thereof
12:00	13:00	Auditorium: Networking Session			
13:00	14:00	LUNCH BREAK			
Venue:	Hall 1	Session SMA_2	Chair:Debi Mohapatra	IISc	Shape Memory Alloys
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
14:00	14:30	SMA/IT-3	K V Ramaiah	NAL, Bengaluru	Development of NiTi-base shape memory alloys – Process challenges
14:30	14:45	SMA/CT-3	MohD. Tahseen	IISc Bengaluru	Theory driven discovery of novel shape memory alloys
14:45	15:00	SMA/CT-4	Raushan Kumar	IIT Kanpur	Reduction of cooling time in Shape memory alloy-based actuator through analysis of different geometric configurations and cooling agents
15:00	16:15	Panel-1	Panel Discussion: Alloy Design and Development		
16:15	16:45	TEA BREAK			
Venue:	Hall 1	Session SMA_3	Chair: S M Sivakumar	Affiliation	Shape Memory Alloys
16:45	18:00	Panel-2	Panel Discussion: Test Methods, standards and Certification		
Day 2 : 11 July 2024				Talk Schedule	
10:00	10:30	Coffee			
Venue:	Hall 1	Session SMA_4	Chair: Srikanth Vedantam	IIT-M	Shape Memory Alloys
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
10:30	10:45	SMA/CT-5	Anoop Singh Yadav	DYSL, DRDO	NiTi Actuated Quadrupedal Robot with Multi-Gait Capability
10:45	11:00	SMA/CT-6	Tanuj Gupta	IIT Kanpur	Stress induced bandwidth control in a hexagonal Shape Memory Alloy based Metaplate
11:00	11:15	SMA/CT-7	Animesh Kundu	IIT Guwahati	Coupled Thermomechanical Analysis of 3D SMA Elements Accounting Finite Deformation
11:15	11:30	SMA/CT-8	Kartik Tandel	Dayananda Sagar University	Mitigating Aeroelastic Instability through the Integration of Nitinol in Composite Structures
11:30	12:45	Panel-3	Panel Discussion: Design Methods and Tools		
13:00	14:00	LUNCH BREAK			
Venue:	Hall 1	Session SMA_5	Chair:Debi Mohapatra	IISc	Shape Memory Alloys
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
14:00	15:00	Industry Session: Dr. Vidyashankar			
15:00	16:00	Panel-4	Panel Discussion: Manufacturing and Supply Chain		
16:00	16:30	TEA BREAK			
18:00	19:30	Cultural Program			
19:30	21:00	BANQUET			
Day 3 : 12 July 2024				Talk Schedule	
10:00	10:30	Coffee			
Venue:	Hall 1	Session SMA_6	Chair: M S Sivakumar		Shape Memory Alloys
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
10:30	11:00	SMA/IT-4	Shankar Buravalla	GE India	CASMA ² ; an overview
11:00	11:15	SMA/CT-9	Sneha MS	NAL Bengaluru	Effect of Hydroxyapatite Filler on the Properties of Heparin Mimicking Shape Memory Polymer
11:15	11:30	SMA/CT-10	RUCHIRA KUMAR PRADHAN	IIT Kanpur	Active Cable-driven Parallel Robots – A Comprehensive mathematical model with tension and workspace analysis
11:30	12:00	Panel-5	Panel Coordinators: Wrap-up of Panel Discussions		
1:00 PM	2:00 PM	LUNCH BREAK			