ISSS International Conference on Micro, Nano, and Smart Systems (IC-MNSS), 2024 July 9-12 (Tuesday. – Fri.), 2024

Venue: J. N. Tata Auditorium in IISc Bengaluru

		Organised by IIS	c (Indian Institute of Science) , STAR	RC (Semiconductor Technology a	and Applied Research Centre, DRDO), and CMTI (Central Manufacturing Technology Institute)		
			Day 0	9 July 2024	Master Class Lectures		
			Duy U	Session Coordinator:	Prof. Gayatri Pillai		
9:30	9:30				Registration		
Start Time	End Time		*****		uditorium, Mechanical Engineering, IISc		
9:30 11:00	11:00 11:30		MCLS -1 Functiona	il Materials Engineering: Printing	g and Coating technology , Speaker: Prof. Wim Deferme, University of Hasselt Coffee Break		
11:30	13:00		M	CLS -2 Autonomous System and	Robotics , Speaker: Prof. Amrutur Bharadwaj, IISc Bengaluru		
13:00	14:00				LUNCH BREAK		
14:00	15:30			MCLS-3 Quantum Compt	uting, Speaker: Dr. Kalyan Dasgupta, IBM, Bengaluru		
15:30	16:00				TEA Break		
16:00	17:30				zulture, Speaker: Prof. M S Bobji, IISc Bengaluru ta Auditorium in IISc Bengaluru		
17:30	18:00		Conference Registration				
18:00	19:00	Session Chair: Prof. V. K. Aatre: Inauguration and Special Lecture by Prof. Vijay K. Varadan					
19:00	19:30	Demonstration of Yakshagana					
19:30	20:00	Reception					
				July 10-12	2 (Wed. – Fri.), 2024		
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			Day 1	10 July 2024	Talk Schedule		
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enue:	Auditorium	Keynote 1	Session Chair		MEMS		
Start Time	End Time	Paper Code	Speaker	Affiliation	Title		
9:00	10:00	KT -1	Stephen Senturia	MIT, USA	MEMS on the Moon: The Search for Bulk Water		
10:00	10:30			COFF	EE BREAK		
/enue:	Auditorium	Session 1	Session Chair:	ACCIVIANIA	Wearable Sensors		
tart Time 10:30	End Time 11:00	Paper Code IT-1.1	Speaker Brendan O'Flynn	Affiliation Tyndall National Institute	Title Holistics - Wearable Research at Tyndall National Institute aiding in Frontline Medical Care		
11:00	11:30	IT-1.2	Anitha Ethirajan	Hasselt University, Belgium	Responsive nanocarriers as advanced drug delivery systems		
11:30	11:45	CT-1.1	Saranya Lakshmanan	Anna University, Chennai	POROUS MICRO STRUCTURED FLEXIBLE PRESSURE SENSOR FOR WEARABLE HEALTH MONITORING		
11:45	11:50	PT-1.1	Atul Anand	IIT Patna	Using Computational Techniques in Artificial Neural Networks to identify Cardiovascular Disorders		
11:50	11:55	PT-1.2	Revathy Purushothaman	Anna University, Chennai	A WEARABLE MICROFLUIDICS SENSING SYSTEM FOR NON-INVASIVE MONITORING OF MULTI-ANALYTES		
11:55	12:00				Self-Powered Device to Monitor Seizures in Demetia and Other Interlinked Neural Disorders to Aid Patient		
	12.00	PT-1.3	Arshya Loomba	VIT Vellore	Care		
					Care		
	Hall 1		Arshya Loomba Session Chair:Bishakh B	VIT Vellore 10:30 -12:00			
/enue:	Hall 1	Session SMA-1	Session Chair:Bishakh B		Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications		
/enue: /enue:	Hall 1	Session SMA-1 Session 2	Session Chair:Bishakh B Session Chair:	10:30 -12:00	Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications Semiconductor Mission		
/enue: /enue: Start Time	Hall 1 Hall 2 End Time	Session SMA-1 Session 2 Paper Code	Session Chair:Bishakh B Session Chair: Speaker	10:30 -12:00 Affiliation	Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications Semiconductor Mission Title		
/enue: /enue:	Hall 1	Session SMA-1 Session 2	Session Chair:Bishakh B Session Chair:	10:30 -12:00	Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications Semiconductor Mission Title A versatile ultra-wide bandgap electronic material for many applications		
/enue: /enue: start Time 10:30	Hall 1 Hall 2 End Time 11:00	Session SMA-1 Session 2 Paper Code IT - 2.1	Session Chair:Bishakh B Session Chair: Speaker M.S. Ramachandra Rao	10:30 -12:00 Affiliation IIT Madras	Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications Semiconductor Mission Title		
/enue: /enue: start Time 10:30 11:00 11:30 11:45	Hall 1 Hall 2 End Time 11:00 11:30 11:45 11:50	Session SMA-1 Session 2 Paper Code IT - 2.1 IT - 2.2 CT-2.1 PT-2.1	Session Chair:Bishakh B Session Chair: Speaker M.S. Ramachandra Rao Ruth Houlihan Abbhiraj Singh Raeann Jesma	10:30 -12:00 Affiliation IIT Madras Tyndall National Institute KUAS Japan IISc Bengaluru	Care Special symposium on Opportunities and Challenges in industrialization of SMA Applications Semiconductor Mission Title A versatile ultra-wide bandgap electronic material for many applications A MEMS device for launching nanoparticles Fracture Control of Si-MEMS using Electron Beam Induced Si-Nanodots FEM analysis of Support Transducer Topology for High-Q Piezoelectric MEMS Resonators		
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16:00	16:30			Po	oster Sesison and TEA BREAK
Venue:	Auditorium	Session 4	Session Chair:		MEMS Devices
Start Time	Auditorium End Time	Paper Code		Affiliation	Title
16:30	17:00	IT - 4.1	Speaker Takahiro Namazu	KUAS Japan	Micro/Nano Experimental Mechanics of Materials for MEMS
17:00	17:30	IT - 4.2	J.K.Radhakrishnan,	Debel, DRDO, Bangaluru	Needle Array Electrodes for EEG Monitoring
17:30	17:45	CT-4.1	Zaman Khan	STARC, Bengaluru	Design, Fabrication and Characterization of PVDF Acceleration Sensor
17:45	17:50	PT-4.1	Michiko Shindo	KUAS Japan	Pulsating-Tension Cyclic Loading Test for Investigating Fatigue Fracture Mechanism in AlSi Thin Films
17:50	17:55	PT-4.2	Jujjuvarapu Sai Kishore	IIT Hyderabad	Design and Analysis of Curved Beam based Mechanical Amplifier in MEMS Accelerometer
					Closed-loop differential capacitive MEMS accelerometer with a compound lever-based compliant
17:55	18:00	PT-4.3	Nikul Jani	IIT Hyderabad	mechanism
Venue:	Hall 1	Session SMA-3	Session Chair:S M Sivakumar	16:45 - 18:00	Special symposium on opportunities and challenges in industrialization of SMA applications
Venue:	Hall 2	Session 5	Session Chair:	A CCUI - N	Digital Agriculture
Start Time 16:30	End Time 17:00	Paper Code IT - 5.1	Speaker Alan O'Riordan	Affiliation Tyndall National Institute	Title
17:00	17:30	IT - 5.1	Prakhar Gupta	IIT Hyderabad	Development of technologies for Sustainable Agri, food and Environment 4.0 Designing piezoelectric-like devices from non-piezoelectric materials
17:30	17:45	CT-5.1	Lekshmi V	Digital University Kerala	rGO@ZnO Nanocomposite-based Resistive Humidity Sensor
17:45	17:50	PT-5.1	Atul Anand	IIT Patna	A Smart Farmland For Crop Lesion Prevention And Crop Protection Using Sensors And IOT
17.43	17.50	113.1	Acui Anunu	iii i dala	ELECTROCHEMICAL SENSING BEHAVIOR OF AMMONIA DETECTION IN ALKALINE MEDIUM USING
17:50	17:55	PT-5.2	Mythili Kumaresan	Shiv Nadar University	MANGANESE DIOXIDE NANOPARTICLES
17:55	18:00	PT-5.3	Nikila Nair	Digital University Kerala	An Inexpensive Electrochemical Sensor for the Detection of Acetaminophen
Married	11-11-0	Cassian	Cassian Chair	Affiliation	Cassa Tashaalasiaa
Venue:	Hall 3	Session 6	Session Chair:	Affiliation	Space Technologies
16:30	17:00	IT - 6.1	Meena Mishra	SSPL, Delhi	Smart Technologies for Defence
17:00	17:30	IT - 6.2	Sathyan Subbiah	IIT Madras	In-Space Manufacturing Technology
17:30 17:45	17:45 17:50	CT-6.1 PT-6.1	Sai Pranav Avva Linet C	IISc Bengaluru	A Novel Accordion-like Disk Resonator Gyroscope
17:45	17:50	PT-6.1 PT-6.2	Sri Ram Shankar Rajadurai	IISc Bengaluru NIT Trichy	Design of a Hybrid Piezoelectric Material Stack for Piezoelectric Micromachined Ultrasonic Transducer Design and Analysis of a Piezo-flexure Amplifying Mechanism for Out-of-plane Nano-positioning
17:55	18:00	PT-6.2	-	BITS Pilani	Coupled field simulation of MEMS Tuning Fork Gyroscope
17.33	10.00	1 1-0.3	Pradnya Chabbi	DITS FIIdIII	Code and Simulation of Michib Turning Fork Gyroscope
18:00	18:30	Poster	Session Chair:		Interaction and Poster Session
Venue:	Auditorium	Public Lecture	Session Chair		Wearable Sensors
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
18:30	19:30	PL-1	Prof. P. Balram	NCBS, Bengaluru	Smartness in Biological Systems
			Day 2	11 July 2024	Talk Schedule
Vanue	Auditorium	Keynote 1		11 July 2024	Talk Schedule
Venue:	Auditorium End Time	Keynote 1	Session Chair		
Venue: Start Time 9:00	Auditorium End Time 10:00	Keynote 1 Paper Code KT -2		11 July 2024 Affiliation The University of Tokyo	Talk Schedule Title Quantum Dots
Start Time	End Time	Paper Code	Session Chair Speaker	Affiliation	Title
Start Time 9:00	End Time	Paper Code	Session Chair Speaker	Affiliation The University of Tokyo	Title Quantum Dots
Start Time	End Time	Paper Code	Session Chair Speaker	Affiliation The University of Tokyo	Title
Start Time 9:00	End Time 10:00	Paper Code	Session Chair Speaker	Affiliation The University of Tokyo	Title Quantum Dots
9:00 10:00	10:30 End Time	Paper Code KT -2	Session Chair Speaker Porf. Yasuhiko ARAKAWA	Affiliation The University of Tokyo	Title Quantum Dots d COFFEE/TEA BREAK
Start Time 9:00 10:00 Venue:	End Time 10:00 10:30 Auditorium	Paper Code KT -2 Session 7	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair:	Affiliation The University of Tokyo Poster Sesison an	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors
Start Time 9:00 10:00 Venue: Start Time	End Time 10:00 10:30 Auditorium End Time	Paper Code KT -2 Session 7 Paper Code	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker	Affiliation The University of Tokyo Poster Sesison an Affiliation	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title
Start Time 9:00 10:00 Venue: Start Time 10:30	End Time 10:00 10:30 Auditorium End Time 11:00	Paper Code KT -2 Session 7 Paper Code IT-7.1	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker Andrei Irimia	Affiliation The University of Tokyo Poster Sesison an Affiliation USC, USA	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title Deep neural networks to monitor brain aging in health and disease
Start Time 9:00 10:00 Venue: Start Time	End Time 10:00 10:30 Auditorium End Time	Paper Code KT -2 Session 7 Paper Code	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker	Affiliation The University of Tokyo Poster Sesison an Affiliation USC, USA	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title Deep neural networks to monitor brain aging in health and disease Firm Strategy Insights Using Network Analysis of Interfirm Deals in IoT and Other Business Sectors
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Start Time 9:00 10:00 Venue: Start Time 10:30 11:00	End Time 10:00 10:30 Auditorium End Time 11:00 11:30	Paper Code KT - 2 Session 7 Paper Code IT-7.1 IT-7.2	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker Andrei Irimia Ranjit Gupta	Affiliation The University of Tokyo Poster Sesison an Affiliation USC, USA SSM, Chulalongkorn University VIT Vellore	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title Deep neural networks to monitor brain aging in health and disease Firm Strategy Insights Using Network Analysis of Interfirm Deals in IoT and Other Business Sectors Fix to Geriatrics malady: Triboelectric Nanogenerators aided self-sustainable approach to tackle
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Venue: Start Time 10:00 Venue: Start Time 10:30 11:00 11:45 11:50 11:55 Venue: Start Time 10:30 11:00	End Time 10:00 Auditorium End Time 11:00 11:30 11:45 11:50 11:55 12:00 Hall 1 Hall 2 End Time 11:00 11:30	Paper Code KT -2 Session 7 Paper Code IT-7.1 IT-7.2 CT-7.1 PT-7.1 PT-7.2 PT-7.3 Session SMA-4 Session 8 Paper Code IT-8.1 IT-8.2	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker Andrei Irimia Ranjit Gupta Vikneshvar KS Sutrai Ravi Kumar Namratha Nayak Abhishek Kumar Session Chair: Srikanth Vedantam Session Chair: Speaker Bijoy Kumar Das Shankar K Selvaraja	Affiliation The University of Tokyo Poster Sesison an Affiliation USC, USA SSM, Chulalongkorn University VIT Vellore Shiv Nadar University, Chenna IISc Bengaluru IISER Bhopal 4ffiliation IIT Madras IISc Bengaluru	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title Deep neural networks to monitor brain aging in health and disease Firm Strategy Insights Using Network Analysis of Interfirm Deals in IoT and Other Business Sectors Fix to Geriatrics malady: Triboelectric Nanogenerators aided self-sustainable approach to tackle neurodegenerative disorders. In Norvel Technique of Obtaining Polygonal and Near-Free Form Shaped Dies using Conventional Blade Dicing Technology Study of Closed-Loop Geometry for Large-scale Patterning Using Electrolithography Technique Special symposium on opportunities and challenges in industrialization of SMA applications Photonics system Title Integrated Quantum Optical Circuit Photonics Packaging
Venue: Start Time 10:00 Venue: Start Time 10:30 11:00 11:55 Venue: Venue: Start Time 10:30 11:00 11:30	End Time 10:00 10:30 Auditorium End Time 11:00 11:30 11:45 11:50 Hall 1 Hall 2 End Time 11:00 11:30 11:45	Paper Code KT -2 Session 7 Paper Code IT-7.1 IT-7.2 CT-7.1 PT-7.1 PT-7.2 PT-7.3 Session SMA-4 Session 8 Paper Code IT-8.1 IT-8.2 CT-8.1	Session Chair Speaker Porf. Yasuhiko ARAKAWA Session Chair: Speaker Andrei Irimia Ranjit Irimia Ranjit Irimia Namratha Nayak Abhishek Kumar Session Chair: Srikanth Vedantam Session Chair: Speaker Bijoy Kumar Das Shankar K Selvaraja PUJA GHOSH	Affiliation The University of Tokyo Poster Sesison an Affiliation USC, USA SSM, Chulalongkorn University VIT Vellore Shiv Nadar University, Chenna IISC Bengaluru IISER Bhopal Affiliation IIT Madras IISC Bengaluru IISC Bengaluru	Title Quantum Dots d COFFEE/TEA BREAK Wearable Sensors Title Deep neural networks to monitor brain aging in health and disease Firm Strategy Insights Using Network Analysis of Interfirm Deals in IoT and Other Business Sectors Fix to Geriatrics malady: Triboelectric Nanogenerators aided self-sustainable approach to tackle neurodegenerative disorders. Importance of Active sensor for current protection with practical approach A Novel Technique of Obtaining Polygonal and Near-Free Form Shaped Dies using Conventional Blade Dicing Technology Study of Closed-Loop Geometry for Large-scale Patterning Using Electrolithography Technique Special symposium on opportunities and challenges in industrialization of SMA applications Photonics System Title Integrated Quantum Optical Circuit Photonics Packaging A Novel Sputtering based Pt decoration on ZnO for Ultra-fast ppb level Hydrogen detection
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11:50	11:55	PT-9.2	S SELVARAJ	STARC, Bengaluru	A Capacitive Pressure Sensor with a New Wafer Level Sealing Approach
11:55	12:00	PT-9.3	Megha Agrawal	CMTI Bengaluru	Electroplated Copper Mask Based Glass Wet Etching for Development of Microfluidic Device
12:00	13:00			Student C	ontest Session - I: Prof. Gangadharan
13:00	14:00			Pos	ter Sesison and LUNCH BREAK
14:00	15:00			Indu	sstry Session: Dr. Vidyashankar
Venue:	Hall 1	Cossion CNAA E	Session Chair: Srikanth Vedantam	10:30 - 12:45	Special symposium on opportunities and challenges in industrialization of SMA applications
venue.	Hall 1	Jession SiviA -J	Session Chair. Shkanth Vedantam	10.30 - 12.43	Special symposium on opportunities and challenges in moust railzation of SWA applications
Venue:	Auditorium		Session Chair	Prof. Rudra Pratap	Fireside Chat Session Semiconductor Ecosystem in India
			Chair:	Prof. Rudra Pratap	Vice Chancellor, Plaksha University (Also, IISc Bengaluru)
			Member:	Dr. Sunita Verma	MeitY, Delhi
			Member:	Prof. Srinivasan Raghavan	IISc Bengaluru
15:00	16:00		Member:	Prof. M S Ramachandra Rao	IIT Madras
			Member:	Prof. Bijoy Krishna Das Dr. Ravi Meduri	IIT Madras CEO, STARC, Bengaluru
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Venue:	Hall 1	Session SMA-6	Session Chair: Srikanth Vedantam	15:00 - 16:00	Special symposium on opportunities and challenges in industrialization of SMA applications
16:00	16:30			Po	ster Sesison and TEA BREAK
Venue:	Auditorium	Session 10	Session Chair:		Biomedical System
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
		.,			3-D printed PLA and ABS structures for cell proliferation and nanoparticle transport and drug delivery
16:30	17:00	IT - 10.1	Muralidhar Ghantasala	Western Michigan University	applications
17:00	17:30	IT - 10.2	Richa Mishra	BITS Mesra	Design and Simulation of MEMS based Cascaded Structure Electroosmotic Micropump
17:30	17:45	CT-10.1	Sushama Agarwalla	IIT Hyderabad	Advanced Design and 3D Numerical Simulation of Traveling Surface Acoustic Waves for Healthcare Applications
17:30	17:45	PT-10.1	Hrithika usha	Anna University	Design, analysis and optimization of screen printed electrode for biomedical application
17:50	17:55	PT-10.1	PANDILLAPALLY RAMA	IIT Hyderabad	Droplet microfluidics for real time single droplet analysis
17:55	18:00	PT-10.3	Priyanshu Mondal	Anna University	Modelling and Analysis of Multi-Analyte based Microfluidics System
Venue:	Hall 1	Session 11	Session Chair:		Smart Sensors and System
Start Time 16:30	End Time 17:00	Paper Code IT - 11.1	Speaker Radraig Lyons	Affiliation Tyndall National Institute	Title Why decarbonized sities have to be smart sities
17:00	17:30	IT - 11.2	Padraig Lyons Akshay Joshi	IISc Bengaluru	Why decarbonised cities have to be smart cities Data Driven Mechanics
17:30	17:45	CT-11.1	Saara K	Dayananda Sagar University	LOW COST WEATHER FORECASTING BLIMP
				, , ,	Investigations on Bi/Tricomposites of Biocompatible Films for Improved Piezoelectric Constant using
17:45	17:50	PT-11.1	Mamta Devi	IIIT Allahabad	Electrospinning Process
17:50	17:55	PT-11.2	MANU PAI	IISc Bengaluru	Development of Fast Response Triple redundant Cryogenic Temperature Sensor Using Graphene Nanocomposites for Aerospace Applications
17:55	18:00	PT-11.3	Saara K	Dayananda Sagar University	LOW COST WEATHER FORECASTING BLIMP
17:55					
17:55					
Venue:	Hall 2	Session 12	Session Chair:		
Venue: Start Time	Hall 2 End Time	Session 12 Paper Code	Speaker	Affiliation	Title
Venue: Start Time	Hall 2 End Time 17:00	Session 12 Paper Code IT - 12.1	Speaker Satish Kumar Thittamaranahalli	USC, USA	Large-Scale Coordination of Warehouse Robots and Drones
Venue: Start Time 16:30 17:00	Hall 2 End Time 17:00 17:30	Session 12 Paper Code IT - 12.1 IT - 12.2	Speaker Satish Kumar Thittamaranahalli Soo Young Park	USC, USA KNU South Korea	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell
Venue: Start Time	Hall 2 End Time 17:00	Session 12 Paper Code IT - 12.1	Speaker Satish Kumar Thittamaranahalli	USC, USA	Large-Scale Coordination of Warehouse Robots and Drones
Venue: Start Time 16:30 17:00 17:30	Hall 2 End Time 17:00 17:30 17:45	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C	USC, USA KNU South Korea NIT Kurukshetra KL University	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films
Venue: Start Time 16:30 17:00 17:30	Hall 2 End Time 17:00 17:30 17:45	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla	USC, USA KNU South Korea NIT Kurukshetra	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS
Venue: Start Time 16:30 17:00 17:30 17:45	Hall 2 End Time 17:00 17:30 17:45 17:50	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.2 PT-12.2	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT
Venue: Start Time 16:30 17:00 17:30 17:45	Hall 2 End Time 17:00 17:30 17:45 17:50	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.1	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C	USC, USA KNU South Korea NIT Kurukshetra KL University	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU
Venue: Start Time 16:30 17:00 17:30 17:45 17:50	Hall 2 End Time 17:00 17:30 17:45 17:50 17:55	Session 12 Paper Code Π - 12.1 Π - 12.2 CT-12.1 PT-12.1 PT-12.2 PT-12.3	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning
Venue: Start Time 16:30 17:00 17:30 17:45 17:50 Venue:	Hall 2 End Time 17:00 17:30 17:45 17:50 17:55 18:00 Hall 3	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.2 PT-12.2	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair:	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session
Venue: Start Time 16:30 17:00 17:30 17:45 17:50	Hall 2 End Time 17:00 17:30 17:45 17:50 17:55	Session 12 Paper Code Π - 12.1 Π - 12.2 CT-12.1 PT-12.1 PT-12.2 PT-12.3	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session
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Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30	Hall 2 End Time 17:00 17:30 17:45 17:55 18:00 Hall 3 18:00 19:30 21:00	Session 12 Paper Code Π- 12.1 Π- 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan Digital Agriculture - Chair: Pro	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET
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Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time	Hall 2 End Time 17:00 17:30 17:45 17:50 17:55 18:00 Hall 3 18:00 19:30 21:00 Auditorium End Time	Session 12 Paper Code Π - 12.1 Π - 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Day 3 Session Chair Speaker	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan Digital Agriculture - Chair: Prof. 12 July 2024 Affiliation ISRO, India	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule
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Venue: 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time 9:00 AM	Hall 2 End Time 17:00 17:30 17:45 17:55 18:00 Hall 3 18:00 19:30 21:00 Auditorium End Time 10:00 AM	Session 12 Paper Code Π-12.1 Π-12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code KT -3	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Day 3 Session Chair Speaker Dr. Kalpana Aravind	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan Digital Agriculture - Chair: Prof. 12 July 2024 Affiliation ISRO, India	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule Title Smart Sensors in Space
Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time 9:00 AM Venue:	Hall 2 End Time 17:00 17:30 17:45 17:45 17:55 18:00 Hall 3 18:00 19:30 21:00 Auditorium End Time 10:00 AM Auditorium	Session 12 Paper Code Π - 12.1 Π - 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code KT - 3 Session 13	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Day 3 Session Chair Speaker Dr.Kalpana Aravind	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan Digital Agriculture - Chair: Pro 12 July 2024 Affiliation ISRO, India	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule Title Smart Sensors in Space
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Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time 9:00 AM Venue: Start Time 10:30 11:00 11:30	Hall 2 End Time 17:00 17:30 17:45 17:55 18:00 Hall 3 18:00 19:30 21:00 Auditorium End Time 10:00 AM Auditorium End Time 11:00 11:30 11:45	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code KT - 3 Session 13 Paper Code IT-13.1 IT-13.2 CT-13.1	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Speaker Dr. Kalpana Aravind Session Chair: Speaker Ravindra Mukhiya L Rangaraj Lakshmi Ganapathi Kolla	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan 1 Digital Agriculture - Chair: Pro 12 July 2024 Affiliation ISRO, India Poster Sesison an Affiliation CEERI Pilani NAL Bengaluru NIT Kurukshetra	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule Title Smart Sensors in Space G COFFEE/TEA BREAK Smart Biomedical System Title Evaluation of Residual Stress in Thin Films for MEMS Synthesis, Fabrication, and Characterization of Ti3AlC2 phase Reinforced PVDF composites Synthesis of Aligned Nanofibers Using a Conventional Electrospinning Setup
Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time 9:00 AM Venue: Start Time 10:30 11:00	Hall 2 End Time 17:00 17:30 17:45 17:55 18:00 Hall 3 18:00 Hall 3 18:00 Auditorium End Time 10:00 AM Auditorium End Time 11:00 11:30	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code KT - 3 Session 13 Paper Code IT-13.1 IT-13.2	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Day 3 Session Chair Speaker Dr.Kalpana Aravind Session Chair: Speaker Ravindra Mukhiya L Rangaraj	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan Digital Agriculture - Chair: Pro 12 July 2024 Affiliation ISRO, India Poster Sesison an Affiliation CEERI Pilani NAL Bengaluru	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule Title Smart Sensors in Space d COFFEE/TEA BREAK Smart Biomedical System Title Evaluation of Residual Stress in Thin Films for MEMS Synthesis, Fabrication, and Characterization of Ti3AlC2 phase Reinforced PVDF composites Synthesis of Aligned Nanofibers Using a Conventional Electrospinning Setup Droplet microfluidics for real time single droplet analysis
Venue: Start Time 16:30 17:00 17:30 17:45 17:55 Venue: 16:30 18:00 19:30 Venue: Start Time 9:00 AM Venue: Start Time 10:30 11:00 11:30	Hall 2 End Time 17:00 17:30 17:45 17:55 18:00 Hall 3 18:00 19:30 21:00 Auditorium End Time 10:00 AM Auditorium End Time 11:00 11:30 11:45	Session 12 Paper Code IT - 12.1 IT - 12.2 CT-12.1 PT-12.2 PT-12.3 Session 16 Keynote 3 Paper Code KT - 3 Session 13 Paper Code IT-13.1 IT-13.2 CT-13.1	Speaker Satish Kumar Thittamaranahalli Soo Young Park Lakshmi Ganapathi Kolla Joshitha C NIKHITHA KEERTHI MALLELA Shreyas S Session Chair: EU-India Center of Co-operation in Speaker Dr. Kalpana Aravind Session Chair: Speaker Ravindra Mukhiya L Rangaraj Lakshmi Ganapathi Kolla	USC, USA KNU South Korea NIT Kurukshetra KL University NIT Kurukshetra BMSCE, Bengaluru Prof. Alan O'Riordan 1 Digital Agriculture - Chair: Pro 12 July 2024 Affiliation ISRO, India Poster Sesison an Affiliation CEERI Pilani NAL Bengaluru NIT Kurukshetra	Large-Scale Coordination of Warehouse Robots and Drones Smart Molecular-Spring Photonic Film, Droplet, and Shell Studies on the Theoretical Anderson limit in Boron Doped Diamond Thin Films Design and analysis of MEMS based Micromirror STUDIES ON THE INTERFACE CHARACTERISTICS OF HFO2- BASED FERROELECTRIC FIELD EFFECT TRANSISTORS RISC-V Based CNN Accelerator: Performance Enhancement through Winograd Convolution, ReLU Activation, and Kernel Pruning Panel Discussion Session f. Alan O'Riordan Cultural Program BANQUET Talk Schedule Title Smart Sensors in Space G COFFEE/TEA BREAK Smart Biomedical System Title Evaluation of Residual Stress in Thin Films for MEMS Synthesis, Fabrication, and Characterization of Ti3AlC2 phase Reinforced PVDF composites Synthesis of Aligned Nanofibers Using a Conventional Electrospinning Setup

Venue:		PT-13.3	Elsa Sharu Johnson	NIT Tiruchirappalli	Photoplethysmography Based Non-Invasive Continuous Blood Glucose Monitoring with Improved Feature Selection and Deep Learning Techniques
	Hall 1	Session SMA-6	Session Chair:M S Sivakumar	10:30 - 12:00	Special symposium on opportunities and challenges in industrialization of SMA applications
	Hall 2	Session 14	Session Chair:		Autonmous System
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
10:30	11:00	IT-14.1	P. Rajalakhsmi	IIT Hyderabad	Autnomous Navigation for Smart System
11:00	11:30	IT-14.2	Erdem Biyik	USC, USA	Preference Learning from Minimal Human Feedback for Interactive Autonomy
11:30	11:45	CT-14.1	Vishwas A S	NITK Surathkal	Autonomous Panoramic Imaging for Advanced Geospatial Mapping: A Versatile Solution with 360-Degree Camera Integration
11:45	11:50	PT-14.1	Rizwin Khanam	IISc Bengaluru	High Performance Hydrogen Sensor with Pt doped ZnO Synthesized Using Low-Cost Solution Dispensing
					Development of Ti3C2TX sheets intercalated with ZnCo2O4 for Microwave Absorption parameters over 2-
11:50	11:55	PT-14.2	parveen kumar	NIT Kurukshetra	18 GHz frequency region
11:55	12:00	PT-14.3	Praveen Kumar	IISc Bangaluru	Observation of Phononic Frequency Combs in Circular Piezoelectric MEMS Resonators
Venue:	Hall 3	Session 15	Session Chair:		Photonics Packaging
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
10:30	11:00	IT-15.1	Shourya Dutta Gupta	IIT Hyderabad	Nanoplasmonics and nano photonics
11:00	11:30	IT-15.2	Satish Laxman Shinde	IIT Hyderabad	Non-metallic plasmonic array for visible-NIR energy harvesting
11:30	11:45	CT-15.2	Sumanth Arige	IIITDM Kancheepuram	Exploration of defect engineering in h-BN for prospective quantum electronics
					Effect of electric field on the structural, ferroelectric and dielectric properties of (Mg1/3Nb2/3)4+
11:45	11:50	PT-15.1	Sumit Mev	IIT Hyderabad	substituted ferroelectric material Na0.5Bi0.5TiO3
11:50	11:55	PT-15.2	Gowthami Anbazhagan	Anna University	INSIGHTS INTO THE MECHANICAL STABILITY ANALYSIS OF SOLID PVA PYRAMIDAL MICRONEEDLE ARRAY FOR TRANSDERMAL DRUG DELIVERY
11.50	11.33	. 1 13.2	Contrium Anduznagan	- and oniversity	Theoretical and experimental investigation of structural, electrical and photocatalytic properties of KO.
11:55	12:00	PT-15.3	Manish Saha	IIT Hyderabad	5Na0.5Nb03 lead- free ceramics prepared via different synthesis routes.
12:00	13:00				tt Session - II (Prof. Gangadharan and Team)
13:00	14:00				ster Sesison and LUNCH BREAK
14:00	15:30			1222 211/61 10	ublee Session: Prof. Prakash Mangalagiri
15:30	16:00			Po	oster Sesison and TEA BREAK
	Auditorium	Session 16	Session Chair:		MEMS Devices
Start Time	End Time	Paper Code	Speaker	Affiliation	Title
16:00	16:30	IT - 16.1	Abhay S Kochhar	Akoustis Technologies, Inc. (Formely)	Advancements in Piezoelectric Micro Resonators: Meeting the Challenges of RF Telecommunications
16:30	16:45	CT-16.1	Joslin Percy J	TCE, Madurai	Neural Networks in NEMS: Optimizing Fixed-Fixed CNT-based RF Switch
16:45	17:00	CT-16.2	Kanthamani S	TCE, Madurai	Optimization of RF MEMS based Anti-Biased Varactor using Regressor Model
17:00	17:15	CT-16.3	SUNANDANA SREE P	MSRIT Bengaluru	MATHEMATICAL MODELLING OF ELECTROSTATICALLY ACTUATED MICRO CANTILEVER BEAMS
					Investigating the Influence of Immersed Length Variations on Vibration Frequencies in Cantilever Sensors A
17:15	17:30	CT-16.4	Shubham Kumar Mishra	IIITDM Jabalpur	COMSOL Multiphysics Simulation Study
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Venue:	Hall 1	Session 17	Session Chair:		Silicon Photonics and Devices
Venue: Start Time	Hall 1 End Time	Session 17 Paper Code	Session Chair: Speaker	Affiliation	Silicon Photonics and Devices Title
				Affiliation NYU, Abudhabi	
Start Time 16:00	End Time	Paper Code IT - 17.1	Speaker Durga Prasad Karothu	NYU, Abudhabi	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling
Start Time 16:00 16:30	End Time 16:30 16:45	Paper Code IT - 17.1 CT-17.1	Speaker Durga Prasad Karothu Sukesh kumar	NYU, Abudhabi	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators
16:00 16:30 16:45	16:30 16:45 17:00	Paper Code IT - 17.1 CT-17.1 CT-17.2	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design
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16:00 16:30 16:45	16:30 16:45 17:00	Paper Code IT - 17.1 CT-17.1 CT-17.2	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design
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16:00 16:30 16:45 17:00 17:15	16:30 16:45 17:00 17:15 17:30	Paper Code IT - 17.1 CT-17.1 CT-17.2 CT-17.3 CT-17.4 Session 18 Paper Code	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa Pratap Maity Adhisha Roy	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru IIT Hyderabad IISER Bhopal	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design Carbon nanofiber-based sensors to detect volatile organic compounds Study on coating parameters for achieving controlled surface wettability using octadecyltrichlorosilane
Start Time	End Time 16:30 16:45 17:00 17:15 17:30 Hall 2 End Time 16:30	Paper Code T - 17.1 CT-17.1 CT-17.2 CT-17.3 CT-17.4 Session 18 Paper Code T - 18.1	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa Pratap Maity Adhisha Roy Session Chair: Speaker Vogesh Kumar Srivastav	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru IIT Hyderabad IISER Bhopal Affiliation IIT Hyderabad	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design Carbon nanofiber-based sensors to detect volatile organic compounds Study on coating parameters for achieving controlled surface wettability using octadecyltrichlorosilane Smart Resonators Title TeraHerz Resonators
Start Time 16:00 16:30 16:45 17:00 17:15 Venue: Start Time 16:00 16:30	End Time 16:30 16:45 17:00 17:15 17:30 Hall 2 End Time 16:30 16:45	Paper Code IT - 17.1 CT-17.1 CT-17.2 CT-17.3 CT-17.4 Session 18 Paper Code IT - 18.1 CT-18.1	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa Pratap Maity Adhisha Roy Session Chair: Speaker Yogesh Kumar Srivastav Sandeep Sharma K	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru IIT Hyderabad IISER Bhopal Affiliation IIT Hyderabad IISE Bengaluru	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design Carbon nanofiber-based sensors to detect volatile organic compounds Study on coating parameters for achieving controlled surface wettability using octadecyltrichlorosilane Smart Resonators Title TeraHerz Resonators Excitation of 10^5 Quality Factor in a High Overtone Bulk Acoustic Wave Resonator Operating at 5 GHz
Start Time	End Time 16:30 16:45 17:00 17:15 17:30 Hall 2 End Time 16:30	Paper Code T - 17.1 CT-17.1 CT-17.2 CT-17.3 CT-17.4 Session 18 Paper Code T - 18.1	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa Pratap Maity Adhisha Roy Session Chair: Speaker Vogesh Kumar Srivastav	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru IIT Hyderabad IISER Bhopal Affiliation IIT Hyderabad	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design Carbon nanofiber-based sensors to detect volatile organic compounds Study on coating parameters for achieving controlled surface wettability using octadecyltrichlorosilane Smart Resonators Title TeraHerz Resonators Excitation of 10^5 Quality Factor in a High Overtone Bulk Acoustic Wave Resonator Operating at 5 GHz Fano Resonance in a 1D Photonic Crystal Cavity
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Start Time 16:00 16:30 16:45 17:00 17:15 Venue: Start Time 16:00 16:30 16:45 17:00	End Time 16:30 16:45 17:00 17:15 17:30 Hall 2 End Time 16:30 16:45 17:00	Paper Code IT - 17.1 CT-17.1 CT-17.2 CT-17.3 CT-17.4 Session 18 Paper Code IT - 18.1 CT-18.2 CT-18.3	Speaker Durga Prasad Karothu Sukesh kumar Amith Srivatsa Pratap Maity Adhisha Roy Session Chair: Speaker Yogesh Kumar Srivastav Sandeep Sharma K PRATIP GHOSH Priyanka Priyanka	NYU, Abudhabi IIT Hyderabad BMSCE Bengaluru IIT Hyderabad IISER Bhopal Affiliation IIT Hyderabad IISC Bengaluru IISC Bengaluru IIT Hyderabad	Title Dynamic Crystals - Haptic memory devicesDynamic Crystals - Haptic memory devices Exploring Structural Theory Analysis through Electrochemical Impedance Spectroscopy Data: Unveiling Deformation Mechanisms of Conducting Polymer Actuators SAW Module for Carrier Aggregation Transmitter Front End using MEMS Design Carbon nanofiber-based sensors to detect volatile organic compounds Study on coating parameters for achieving controlled surface wettability using octadecyltrichlorosilane Smart Resonators Title TeraHerz Resonators Excitation of 10^5 Quality Factor in a High Overtone Bulk Acoustic Wave Resonator Operating at 5 GHz Fano Resonance in a 1D Photonic Crystal Cavity A study on wet anisotropic etching of Si{100} in NH4OH based solutions: The effect of surfactant concentration on the etching characteristics
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