First Day Activity: 29.07.2023

Inaugural Session: MCCS-2023

Meeting link: Meet - Technical Session 1A &2A (google.com)

8th International Conference on **Microelectronics, Computing & Communication Systems (MCCS-2023)**
Program Details: First Day: 29-07-2023: MCCS-2023
Members on Virtual Dais MCCS-2023

1. **Prof. R.P. Yadav**, Former Vice-Chancellor Rajasthan Technological University Kota & HAG Professor MNIT Jaipur **(Guest of Honor & Keynote Speaker-1)**
2. **Prof S.N. Shukla**, Vice-Chancellor, Pt. Ravishankar Shukla University Raipur, Chhattisgarh (**Chief Guest**)
3. **Prof. D. K. Yadav,** Professor NIT Jamshedpur & President ISVE Ranchi
4. **Dr. Arun Kumar,** Former Director ECOM RU Ranchi & Chairman ISVE Ranchi
5. **Dr. J.K. Mandal**, Vice-Chancellor Raiganj University Raiganj & Co-Editor of MCCS-2023 **(Guest of Honor & Keynote Speaker 2)**
6. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair MCCS-2023
7. **Dr. Anand Kumar Thakur**(RU), Executive Member ISVE Ranchi & Organizing Secretary MCCS-2023
8. **Dr. Raj Kumar Singh (RU),** Executive Member ISVE Ranchi & Convener MCCS-2023

Inaugural Session Details:

Time	Activity
10:00am to 10:10am	Welcome by **Prof. D. K. Yadav** President ISVE Ranchi
10:10 am to 10:20am	Introduction by **Dr. Vijay Nath**
10:20 am to 10:30am	Program Elaboration by **Dr. Raj Kumar Singh**
10:30am to 10:50am	Short messages by Eminent persons available on virtual dais & Introduction to Reviewers

10:50am to 11:20am	Keynote Lecture1: **Prof. R.P. Yadav Former VC RTU Kota**
11:20am to 11:50am	Keynote Lecture 2: **Prof. J.K. Mandal, Vice-Chancellor Raiganj University Raiganj**
11:50am to 12:20pm	Impact of MCCS-2023 in NEP-2020 : **Prof. S.N. Shukla , Vice-Chancellor Pt. Ravishankar Shukla University Raipur**
12:20pm to 12:40pm	Vote of Thanks by **Dr. Anand Kumar Thakur**
12:40pm to 2:00pm	**LUNCH**

Important Notes:

There will be a two-day technical session of MCCC-2023. On 29-07-2023 will be an Inaugural session and two technical sessions1A,1B and on 30.07.2023 will be two technical sessions 2A, 2B, Expert Lecture & technology demonstration session & valedictory session with award ceremony. All are requested to join the session on time.

Lunch:- 1:00-2:00pm

Technical Session 1: Section A:

Microelectronics, Circuits & Machine Learning

Name of Session Chairman: Dr. J.K. Mandal Vice-Chancellor Raiganj University Raiganj

Name of Session Chair Persons:

Dr. Shylashree N., Associate Professor RV College of Engineering Bangalore (KA)

Dr. Vijay Nath, Associate Professor BIT Mesra Ranchi (JH)

Dr. Kavita Thakur, Professor Pt. Ravishankar University Raipur

Dr. Adesh Kumar, Associate Professor UPES University Dehradun

Dr. Pooja Jha, Associate Professor Amity University Jharkhand

Dr Arpan Deyasi, Associate Professor RCC Institute of Technology Kolkata

Dr. Ashok Kumar K, Assistant Professor Matrusri Engineering College, Hyderabad

Group Coordinator/ Moderator: Ms. Divya Sharma, Research Scholar BIT Mesra Ranchi

Google meet link : Meet - Technical Session 1A &2A (google.com)

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCCS23021	Sujith M	Optical Character Recognition and Analysis of Tamil Characters	2:00-2:15pm
2.	MCCS23056	Riya Singh	Dual-Band F-Shaped Monopole Antenna with Defected Ground Structure for Wi-Fi/WiMAX/C-Band Applications	2:16-2:30pm
3.	MCCS23004	Kritika Jain	Design of 5G Communication System and its application on IoT	2:31-2:45pm
4.	MCCS23071	K Sunitha	Satellite Image Analysis Using Open Core Processor	2:46-3:00pm
5.	MCCS23040	Riya Sandeepsinh Gohil	Efficient Scheduling of Scientific Workflows on AWS EC2: Challenges, Solutions, and Future Directions	3:01-3:15pm
6.	MCCS23042	Suprabhat Maity	A Novel Approach for Safe Zone Drive Space of Autonomous Ground Vehicle (Self Driving Car)	3:16-3:30pm
7.	MCCS23086	Aditi Pankaj	A Comparative Analysis of NEGF and Alternative Modeling Techniques for Nanoscale Devices	3:31-3:45pm
8.	MCCS23079	Santosh Sarode	Review Paper on Different Structure of TFETs and Features Over Conventional MOSFET	3:46-4:00pm
9.	MCCS23074	Ruchira	Design of Power Grid Failure Detection System Based on Voltage And Frequency Variation	4:01-4:15pm
10.	MCCS23005	Siddhant Pawar	Decentralized EV Charging Infrastructure	4:16-4:30pm
11.	MCCS23035	Sachin Kumar Gupta	Autonomous Deployment of UAVs for Disaster Search and Rescue Mission: A Survey	4:31-4:45pm
12.				4:46-5:00pm

Technical Session 1: Section B :

Signal Processing & Deep Learning

Name of Session Chairman: Dr . B. Acharya, Associate Professor National Institute of Technology Raipur

Name of Session Chair Persons:

Dr. Y. Sukhi, Professor RMK College of Engineering Chennai

Dr. Manoj Kumar Associate Professor, University of Wollongong, Dubai, (UAE/Australia)

Dr. Vikash Yadav, Government Polytechnic Bighapur Unnao, Department of Technical Education, Uttar Pradesh

Dr. Sudhanshu Tripathi, Associate Professor Amity University, Muskat

Dr. Anand Kumar Thakur, Assistant Professor Ranchi University Ranchi(JH)

Dr. Chandrashekhar Azad, Assistant Professor National Institute of Technology Jamshedpur

Dr. Prashant B.Patel, Associate Professor Dr. D.Y.Patil Institute of Technology, Pune

Dr. R.S. Yadav, Professor J K Institute of Technology Allahabad

Group Coordinator/ Moderator: Mrs. T. Snehitha Reddy, Research Scholar BIT Mesra Ranchi

Google meet link https://meet.google.com/unw-wccz-qjq?authuser=2&hs=122

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCCS23027	Sachin Kumar Gupta	Physical Unclonable Function-based Authentication Scheme for UAV Communication	2:00-2:15pm
2.	MCCS23036	Akash Hursad	Two Factor authentication door lock system	2:16-2:30pm
3.	MCCS23038	Kshitij Jha	Design and Implementation of 5G for IoT and E-Village application.	2:31-2:45pm
4.	MCCS23050	Jeet Tirkey,	An Ultra Low Power CMOS Sigma Delta ADC Modulator for System-On-Chip (Soc) Micro-Electromechanical Systems (Mems) Sensors for Aerospace Applications	2:46-3:00pm
5.	MCCS23060	Parth Singh	Design and analysis of all optical multiplexers using 2D photonic crystal	3:01-3:15pm

6.	MCCS23087	Suryansh Raheja	Comparative Analysis On Normally-Off GaN-Based High Electron Mobility Transistor Techniques	3:16-3:30pm
7.	MCCS23029	Sachin Kumar Gupta	Public Safety Monitoring Using Autonomous Vehicles	3:31-3:45pm
8.	MCCS23046	Ameesh Katariya	Smart Sewage Monitoring System using BLYNK	3:46-4:00pm
9.	MCCS23073	Ankit Singh	Control system design for automated load shedding in a power system	4:01-4:15pm
10.	MCCS23002	Devansh Shukla	Design of Smart-Sensors for e-villages	4:16-4:30pm
11.	MCCS23069	Ben Paul Thankachan	Design of Shadow Filter using VD-DXCC based Current Mode SIMO Filter	4:31-4:45pm
12.				4:46-500pm

Second Day Activity: 30.07.2023

Technical Session 2: Section A :

VLSI Design, Embedded System & Internet of Things

Name of Session Chairman : Dr. D. K. Yadav, Professor, NIT Jamshedpur (JH)

Name of Session Chair Persons:

Dr. Gargi Khanna, Associate Professor, NIT Hamirpur

Dr Sujata Sanjay Kotabagi, Professor K L E Technological University, Hubballi

Dr. Raj Kumar Singh, Assistant Professor Ranchi University Ranchi (JH)

Dr. Premananda B S, Associate Professor R V College of Engineering Bengaluru

Dr T M Inbamalar, Professor RMK College of Engineering and Technology Chennai

Dr. T. Ananth Kumar, Associate Professor IFET College of Engineering

Dr. Manoj Kumar Yadav, Assistant Professor Guru Jambheshwar University of Science & Technology, Haryana

Group Coordinator/ Moderator: Dr. Rahul Priyadarshi, Assistant Professor S-o-A University

Google meet link: Meet - Technical Session 1A &2A (google.com)

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S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCCS23022	Harmeet Singh	Smart LOT Smart LOT Tracking and Management System in 8 Inch 180nm CMOS Fab Using RFID and GUI	10:00-10:15am
2.	MCCS23064	Pankaj Kumar Kanaujiya	Current Trend and Implication in 5G Based Wireless Communication Network	10:16-10:30am
3.	MCCS23041	Sukanta Kumar Dash	"CNN-ML Framework Based Predominant Musical Instruments Recognition Using Mel-Spectrogram"	10:31-10:45am
4.	MCCS23084	Panga Ravendra	Breakthroughs in Single Crystal Free Standing Wide-Band Gap Materials for High Power Devices	10:46-11:00am
5.	MCCS23081	Sooraj Gupta	A review on Hardware Complexity of Syndrome Computation of Reed Solomon Decoder*	11:00-11:15am
6.	MCCS23082	Rajesh Anugam	MRAM Technologies in SOC Memory Architecture	11:16-11:30am
7.	MCCS23039	Shashi Gupta	A Hybrid fine tuning deep learning network for toxic comments classification	11:31-11:45am
8.	MCCS23030	M.UmaVani	Grid-Connected PV System Performance Analysis and Hardware-In-The-Loop (HIL) Validation Using Various MPP Tracking Techniques	11:46am-12:00pm
9.	MCCS23080	Kushagre	Detection of cancer using FCM, clahe filter technique	12:01-12:15pm
10.	MCCS23085	Khushwant Kaswan	Performance Evaluation of Extractive Text Summarization Techniques on CNN Stories Dataset	12:16-12:30pm
11.	MCCS23099	Sujata Kotabagi	Power efficient 3-bit Flash ADC in 180nm technology using cadence virtuoso	12:31-12:45pm
12.				12:46-01:00pm

Technical Session 2: Section B :

Communication Engineering & Cyber Security

Name of Session Chairman; Dr. Anamika Yadav, Associate Professor National Institute of Technology Raipur

Name of Session Chair Persons:

Dr J.B. Sharma, Associate Professor Rajasthan Technical University Kota

Dr. V. Anandi, Associate Professor, MSRIT, Bengaluru

Dr. Arun Kumar, Associate Professor Ranchi University Ranchi

Dr. Sachin Kumar Gupta, Assistant Professor, Shri Mata Vaishno Devi University, Kakryal-182320 Katra (Jammu and Kashmir), UT, India

Dr. Sarita Kumari, Assistant Professor Amity University of Jharkhand

Dr Anil Kumar Verma, Assistant Professor The ICFAI University Raipur Chhattisgarh

Dr.Navdeep Singh, Assistant Professor MMEC, MMDU, Mullana, Ambala

Group Coordinator/ Moderator: Dr. Pankaj Prasad, BIT Mesra

Google meet link: https://meet.google.com/unw-wccz-qjq?authuser=2&hs=122

S.N.	Paper ID	Corresponding Authors	Paper Title	Presentation Schedule
1.	MCCS23101	Vemu Srinivasarao	Performance analysis of PCT in JPEG-XR/HD image compression system	10:00-10:15am
2.	MCCS23109	Sabina Priyadarshini	A Novel Routing Technique to Make Present Day Routing Faster-Hybrid Static Routing	10:16-10:30am
3.	MCCS23006	Aditya Thakur	Survey of Various Authentication Methods used in Iot Devices	10:31-10:45am
4.	MCCS23094	Akhil Sariki	Timing Closure and Power Optimization in ASIC Design: ECO Methodology in Post-Route Phase	10:46-11:00am
5.	MCCS23008	Ayan Mitra	Implementation of medical enterprise re-source system	11:00-11:15am
6.	MCCS23019	Priyank Tripathi	A Network-Based Intrusion Detection System for the Internet of Things Using Deep Learning	11:16-11:30am

7.		Sachin Kumar Gupta	Mars Surface Exploration: UAV-Based Monitoring for Improved Path Trajectory	11:31-11:45am
	MCCS23023			
8.	MCCS23024	Suraksha	Medical Image De-noising using Fusion of Hybrid Filters and Autoencoder	11:46am-12:00pm
9.	MCCS23068	Kartik Gupta	Design and Hardware Implementation of EV Battery Pack and Drivetrain	12:01-12:15pm
10.	MCCS23044	Aditya Divte	Third Eye Application for Visually Impaired People	12:16-12:30pm
11.	MCCS23106	Sakshi Desai	Low dropout regulator for PMIC	12:31-12:45pm
12.				12:46-01:00pm

Lunch:- 1:00pm -2:00pm

Technology Demo Session & Expert Lecture: 2:00 pm to 4:30 pm

Cyber Physical System & Artificial Intelligence

1. **Name of Expert:** Dr. Bimal Kumar Mishra, Professor Vinoba Bhave University, Hazaribag

Lecture Topic: Cyber Physical Systems & Artificial Intelligence

Timing : 2:00pm to 3:00pm

2. **Name of Expert**: Integrated Microsystem Team

Lecture Topic: Synopsis Quantum Atk Software

Timing: 3:00pm to 4;30pm

Group Coordinator: Prof. H.M. Patel, Kadi Sarva Vishwavidyalaya, Gandhinagar

Moderator: Gaurav Yadav, Research Scholar National Institute of Technology Jamshedpur

Google meet link : Meet - Technical Session 1A &2A (google.com)

Valedictory Session & Award/Prize Declaration:

Meeting link: Meet - Technical Session 1A &2A (google.com)

Members on Virtual Dais for Valedictory Session of MCCS-2023

1. **Prof. R.P. Yadav, Former** VC, Rajasthan Technical University Kota
2. **Prof. D. K. Yadav,** Professor NIT Jamshedpur & President ISVE Ranchi
3. **Dr. Arun Kumar,** Former Director ECOM RU Ranchi & Chairman ISVE Ranchi
4. **Dr. Gargi Khanna**, Associate Professor, NIT Hamirpur
5. **Dr. Vijay Nath** (BIT Mesra Ranchi), Executive Member ISVE Ranchi & General Chair of MCCS-2023
6. **Dr. Anand Kumar Thakur** (RU), Executive Member ISVE Ranchi & Organizing Secretary MCCS-2023
7. **Dr. Raj Kumar Singh (RU),** Executive Member ISVE Ranchi & Convener MCCS-2023

Valedictory Session

Time	Activity
5:00 pm-5:10pm	Welcome by **Dr. Arun Kumar** Chairman ISVE Ranchi
5:11 pm-5:20pm	Concluding remarks by **Dr. Vijay Nath**
5:21 pm-5:30pm	Program Elaboration by **Dr. Raj Kumar Singh**
5:31 pm-5:50pm	Short messages by Eminent persons available on virtual dais
5:51 pm-6:10pm	Impact of Conference/ Workshop on NEP-2022 by **Prof. R.P. Yadav** & Declaration of Awards for participants
6:11 pm-6:20pm	Vote of Thanks by **Dr. Anand Kumar Thakur**
6:21 pm-6:30pm	**Virtual High Tea**

Important Contact Numbers:

SN	Responsibility	Name	Contact Number
1.	Chairman	Dr. Arun Kumar	
2.	General Chair	Dr. Vijay Nath	9973886214
3.	Organizing Secretary	Dr. Anand Kumar Thakur	9835056547
4.	Convener	Dr. Raj Kumar Singh	9431359955
5.	Group Coordinators Section- A all Session	Dr. Abhishek Pandey	7070364771
6	Group Coordinators Section- B all Session	Mr. Rahul Priyadarshi Dr. Deepak Prasad	8351968814 9955320916
7.	Group Coordinators Technology Demonstration	Mr. Gaurav Yadav Dr. Ashutosh Anand	8416002238 7004775839

Best wishes to all the participants, judges, eminent persons, coordination committee for excellent support.

Thanks & regards

MCCS-2023 Organizing Committee
Virtual Conference
ARTTC BSNL Ranchi-835217 (JH) India