

A Report on
Two Day IEEE
“International Conference on Optimization Techniques for Learning (ICOTL’23)”
 Organized by
School of Computers, MITS
 7th & 8th December 2023



Report Submitted by: Dr. R.Nidhya, Professor/CSE & Program Chair ICOTL’23

Place: Auditorium, MITS

The inaugural ceremony of Two-day IEEE “International Conference on Optimization Techniques for Learning (ICOTL’23)” started at 10.00 AM in at Auditorium by inviting the guests to stage followed by Prayer song and lightening the lamp. Dr Goutam Chakraborty Distinguished Professor and Dean /CSE & General chair of ICOTL’23 delivered the welcome address to the participants. For this programme, Prof. Dr. Wen-Liang Hwang, Professor, Institute of Information Science, Academia Sinica, Taiwan, Prof. Dr. Tatyana Ivanovska, Professor, Department of Electrical Engineering, Media and Computer Science, Eastbavarian Technical, University of Applied Sciences AmbergWeiden (OTH-AW), Germany Prof. Dr. Yukari Shirota, Professor, Faculty of Economics, Department of Management, Gakushuin University, Japan, Prof. Dr. Peter Burgstaller Professor for IT and IP law, University of Applied Sciences Upper Austria, Campus Hagenberg, Prof. Dr. Cédric Bormand, Univ. of Applied Sciences HES-SO REDS Institute, Switzerland, Prof. Dr. Sanghamitra Bandyopadhyay, Professor, Machine Intelligence Unit Director, Indian Statistical Institute, Kolkata, Prof. Dr. Robert Kozma, Professor of Mathematics, Founding Director, of Center for Large-Scale Intelligent, Optimization and Networks (CLION), FedEx, Institute of Technology, University of Memphis, US were invited as chief guests. Dr R Nidhya Professor/CSE & Program chair talked about the conference delivered the welcome address to the gathering. Principal Dr. C. Yuvaraj delivered the presidential address to the gathering. He said that we are very proud to organize this International Conference at our college in collaboration with the prestigious IEEE. He highlighted the supports extended by the management for all our initiations. He explained the infrastructure and other advanced facilities available in college premisses to internal as well external participants and he discussed the importance of this conference to the student community. In his speech he highlighted the need of collaborative research and its importance. Then Principal sir and guests released the ICOTL’23 conference proceedings.



DAY 1: 07.12.2023 (Thursday)

Followed by an inaugural event, the keynote address delivered by Prof. Dr. Wen-Liang Hwang on the title Representation and decomposition of functions in DAG-DNNs and structural network pruning during 10.30 AM to 11.30 AM. At 12 PM Professor Dr. Tatyana Ivanovska delivered the Invited Talk on Epidemiological Image Analysis: Insights, Perspectives, and Challenges. She discussed the potential of epidemiological image analysis to guide clinical practices and contribute to personalized medicine. At 12.30 PM Professor Dr. Yukari Shirota delivered the Invited Talk on Analysis of Economic Data Using Optimization of Bending Energy of the Statistical Shape. She explained about the application to economic data and then the mathematical theory.



At 2 PM Professor Dr. Peter Burgstaller delivered the Invited Talk on The use of AI and its Legal boundaries in the EU through online. He discussed about AI systems with limited risk shall comply with minimal transparency requirements. And the recent advancements of AI in legal acts. At 2.30 PM Professor Dr. Cédric Bornand delivered the Invited Talk on Effect of Music on Psychological Patients. He discussed in detail about he impact of a musical listening device in psychiatric intensive care.

At 3 PM Professor Dr. Sanghamitra Bandyopadhyay delivered the Keynote Speech on Healthcare and machine learning - a symbiotic relationship through online. She discussed about applications of classification techniques for molecular target prediction, a graph theoretic method for biomarker identification, metaheuristic for drug design and a graph neural network technique for drug-to-drug interaction prediction.

At 4.15 PM Technical Paper Presentation Track1 started at Scaleup classroom. The session was chaired by Dr. Tatyana Ivanovska. The paper ID 61, 72 , 84 & 131. The session was very interactive and useful for the participants. Evening 7 PM Banquet dinner was arranged at Horsley Hills. All the delegates and participants have attended the dinner.

Day 2: 08.12.2023 (Friday)

Second day of the conference begun with the keynote address delivered by Professor Dr. Robert Kozma at 9.30 AM at scaleup class room. Prof Goutam Chakraborty welcomed the keynote speaker for the session and introduced speaker to the participants. Then session was taken over by speaker. He discussed about the overviews the challenges to intelligent systems, outlines crucial insights from brain studies, and introduces system designs combing the benefits of deep learning and neuromorphic technologies.

There are different tracks that were happened parallely with different session chairs. Papers were presented in hybrid mode. Session was chaired by the experts from inside and outside of the college

Timing	Track Number	List of papers presented	Session Chairs
11:00 AM – 1:00 PM	Technical Paper Presentation Track 2 (Scaleup Classroom)	Paper ID 14, 22, 63, 69, 73, 75, 111, 164	Dr. K. Chokkanathan Asso Prof & Head – CSE[AI] Dr. Vamsi Bandi Assistant Prof - CSE[AI] Dr K Dinesh Asso Prof. - CST Dr S Padma Assistant Professor - CSE
11:00 AM – 1:00 PM	Technical Paper Presentation Track 3 (WB215)	Paper ID: 9,15,48,96,112,120,169,175	Dr J Shanthini Prof & Head – School of Computers, Sri Krishna College of Technology, Tamilnadu.
1:30 PM - 3.30 PM	Technical Paper Presentation Track 4 (Scaleup Classroom)	Paper ID: 66,137,141,142,158,166,167,173	Dr K P Manikandan Assi. Prof – CSE [CS] Dr P Prabhakaran Assi. Prof – MCA Dr S Kusuma Assi Prof & Head CSE[DS] Dr. K. Lokeshwaran Assis Prof - CSE[DS]
1:30 PM - 3.30 PM	Technical Paper Presentation Track 5 (WB215)	Paper ID: 16,54,118,119,170,172,156,178	Dr K Veningston, Assis Prof – CSE National Institute of Technology – Srinagar.
1:30 PM - 3.30 PM	Technical Paper Presentation Track 6 (WB308)	Paper ID 29, 64, 57, 86, 99,113, 149,159	Dr S Shanthi Prof & Head – CSE Malla Reddy College of Engineering & Technology, Hyderabad.
3.30 PM – 4.30 PM	Technical Paper Presentation Track 7 (Scaleup Classroom)	Paper ID: 81,28,154	Dr. K. V. Geetha Devi Asst. Professor & Head – MBA MITS
3.30 PM – 4.30 PM	Technical Paper Presentation Track 8 (WB308)	Paper ID: 52, 92, 94, 161	Dr. Diwakar Tripathi Assistant Professor - CSE Indian Institute of Information Technology, Sonapat.

Valedictory started at 4.30 PM. Principal Dr C Yuvarajinvited as the chief guest for the valedictory function. Prof Basabi Chakraborty Publication Chair/ICOTL'23 delivered the convention report of the two days International conference on ICOTL'23. delivered a vote of thanks to participants form various institutions, faculty members for the successful completion of the conference and Principal & management for providing support for the same. Principal congratulated the departments for the successful completion of the event. Principal felicitated the speakers with shawl and momento. He also felicitated the participants and session chairs with certificate. Finally, the session was concluded by a vote of thanks delivered by Dr Pradeep Kumar Prof/MBA& Local Chair of ICOTL'23. He thanked the Management, Principal, Deans & HoDs of various departments and student volunteers for their support in making the conference successful way. Andhe thanked all session chairs and participants from internal and external institutions.



Summary of the papers received:

- Total number of papers received : 155
Total no. of Selected papers : 55
No. of foreign papers : 15
No. of domestic papers : 40

List of countries from paper received : Japan, Germany, Taiwan, Austria, Indonesia, Bangladesh, China, Saudi Arabia

List of states from paper received : Andhra Pradesh, Tamilnadu, Karnataka, Telangana, Gujarat, Punjab.

Programme Outcomes:

- 1. Participants got exposure towards the recent trending research problems and framework.
2. Participants exposed to some of the most recent ideas, tools, and techniques in various domains of computer and Information Technology.
3. Conference created awareness about the Challenges and Opportunities in various domains.
4. Network establishment is the key outcome of this conference.
5. All the presented papers shall be recommended for IEEE Xplore indexing.

Paper Clips:

INT'L CONFERENCE BEGINS AT MITs
College Principal Dr C Yarasaj and chief guests inaugurated the event by lighting the lamp. Prof Dr Wee-Liang Hwang from Institute of Information Science, Academia Sinica, Taiwan, Prof Dr Tatjana Ivanovska from Department of Electrical Engineer...

సాంకేతిక పరిశోధనతో చక్కటి భవిష్యత్తు
కురలబలోడు, మాస్కో: సాంకేతిక పరిశోధనతో చక్కటి భవిష్యత్తు ఉంటుంది. విద్యార్థులు ఈ దిశగా ముందు సాగుతుంటే పెరిగిన ప్రాజెక్టుల వల్ల వేగవంతంగా పురోగతి సాధించారు. విద్యార్థులు అవసరం అంతర్జాతీయ సమావేశాలకు వెళ్తుంటే అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సమావేశాలకు వెళ్తుంటే అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సమావేశాలకు వెళ్తుంటే అందుకు ప్రోత్సాహం ఇవ్వాలి...

అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది
అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి...

విద్యార్థులు ప్రయోగాత్మకమైన పరిశోధనలపై దృష్టి పెట్టాలి
అంతర్జాతీయ సదస్సులో ప్రాజెక్టులను ప్రదర్శించారు. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి...

నూతన పరిశోధనలకు ఊతం
అంతర్జాతీయ సదస్సులో ప్రాజెక్టులను ప్రదర్శించారు. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి. అందుకు ప్రోత్సాహం ఇవ్వాలి. అంతర్జాతీయ సదస్సులు సూతన పరిశోధనలకు నాంది ఇచ్చాయి...

సాక్షి
విద్యార్థులు ఆధునికత వైపు దృష్టి సారించాలి
నూతన పరిశోధనలకు ప్రోత్సాహం
- జాతీయ సదస్సులో పలువురు వక్రలు
ప్రజాశక్తి
విద్యార్థులు ఆధునికత వైపు దృష్టి సారించాలి
నూతన పరిశోధనలకు ప్రోత్సాహం
- జాతీయ సదస్సులో పలువురు వక్రలు
ప్రజాశక్తి
విద్యార్థులు ఆధునికత వైపు దృష్టి సారించాలి
నూతన పరిశోధనలకు ప్రోత్సాహం
- జాతీయ సదస్సులో పలువురు వక్రలు
ప్రజాశక్తి