

International Conference on **Applied Mechanics, Machine Learning and Advanced Computation**
AMMLAC-2022 (AM²LAC-2022), 16th to 17th March, 2022
 National Institute of Technology Raipur

Conference Schedule AMMLAC-2022 (AM²LAC-2022)

Day-1		16.03.2022 (Wednesday)	
10:00 - 10:30 AM	Inaugural Ceremony	link: (https://meet.google.com/krt-sqpf-ewf)	
11:00 - 12:00 PM	Keynote Lecture 1	link (https://meet.google.com/krt-sqpf-ewf)	
	Session 1 https://meet.google.com/krt-sqpf-ewf Contact person: Dr R S Kumar Mob: 9111244643	Session 2 https://meet.google.com/rig-ndzk-adk Contact person: Dr N Netam Mob: 9479018172	Session 3 https://meet.google.com/iie-azpx-iio Contact person: Dr A Sharaff Mob: 8817813946
12:00 - 12:20 PM	ID 9	ID 6	ID 105
12:20 - 12:40 PM	ID 34	ID 29	ID 47
12:40 - 01:00 PM	ID 89	ID 37	ID 52
01:00 - 01:20 PM	ID 117	ID 51	ID 56
01:20 - 02:20 PM	Lunch break		
02:20 - 02:40 PM	ID 118	ID 63	ID 95
02:40 - 03:00 PM	ID 120	ID 100	ID 102
03:00 - 03:20 PM		ID 116	ID 113
Day-2		17.03.2022 (Thursday)	
10:00 - 11:00 AM	Keynote Lecture 2	link: (https://meet.google.com/krt-sqpf-ewf)	
	Session 4 https://meet.google.com/krt-sqpf-ewf Contact person: Dr R S Kumar Mob: 9111244643	Session 5 https://meet.google.com/iie-azpx-iio Contact person: Dr A Sharaff Mob: 8817813946	
11:00 - 11:20 AM	ID 43	ID 55	
11:20 - 11:40 AM	ID 46	ID 59	
11:40 - 12:00 AM	ID 69	ID 66	
12:00 - 12:20 PM	ID 83	ID 76	
12:20 - 12:40 PM	ID 108	ID 28	
12:40 - 01:00 PM	ID 115	ID 111	
03:00 PM onwards	Closing Ceremony (Certificate distribution for best papers and Valedictory Ceremony)		



Keynote Lecture 1

Speaker: Dr Surbhi Bhatia, King Faisal University, Saudi Arabia
Lecture on: "Information Retrieval Using Sentiment Analysis"



Keynote Lecture 2

Speaker: Dr Vikas Dwivedi, VuNet Systems, Chennai
Lecture on: "Physics Informed Machine Learning for Mechanical Engineering Applications"

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Paper Id, Presenting Author and Paper Title

	Paper ID	Name	Paper Title
Session 1	9	Konduru S Harish Rahu	Residual Stress Predictions in Welded Plates Using Artificial Neural Network and Experimental Validations
	34	Amit Kumar	Temperature anisotropy driven Weibel instability in Carbon Plasma
	89	Neeraj Sonkar	A review of performance and emission parameters of diesel engines using Bio-diesel fuel blended with hydrogen.
	117	Desam Vijay Kumar	Wheel Gauge Evolution of Railway Wheels: Effect of Wheel Heat Treatment
	118	Tippanna	Temperature Evolution In WAAM Process Without Overlapping Weld Beads
	120	Abraham Benny	Fatigue Life Assessment of Ferritic Cast Iron Subjected to Combined Thermal and Mechanical Loadings
Session 2	6	Shaunak Kapil Mahajan	Theft Detection System using cGAN Approach
	29	Abinash Sahoo	Performance Comparison of LS-SVM and ELM-based Models for Precipitation Prediction in Barak Valley: A Case Study
	37	Dr Afreen Khursheed	Optimized buffer insertion using PSO technique for efficient interconnect designs
	51	Tarun Jaiswal	Advancement in object Tracking Models and Techniques
	63	Devendra Sahu	Rolling Element Bearing Fault Diagnosis Using Machine Learning Techniques: A Review
	100	Swarnabha Sinha	Code-Switching Automatic Speech Recognition using Modified ESPNet.
	116	Rajeswari Chhual Singh	Hybrid Genetic Algorithm based Feature Selection to Diagnosis Breast Cancer
Session 3	28	Dr. Jyothi N. M.	Assessment and Prediction of Communication Competency of the Students for Placement Readiness using Speech Signal Processing and Kernels of Support Vector Classifiers
	47	Dr. M. Krishna Siva Prasad	Path and Information content based Semantic Similarity Measure to Estimate Word-Pair Similarity
	52	M Phani Sushanth	Review : Deep Learning Techniques for Automatic Target Detection in Infra Red Images
	56	Anima Pradhan	Reduced Complexity of Biterm Topic Model on short text
	95	Vijeta Verma	Automatic Image Caption Generation: A Review
	102	Yash Rai	Interpreting Machine Learning Models using Model-Agnostic Approach
	113	Jitendra Kumar Rout	Prevention of Border Infiltration by Militants in J & K Region using IoT
Session 4	43	Uttam Kumar Kar	Bending and Vibration Analysis of Bi-Directional Porous Functionally Graded Micro-Plate Resting on Non-Linear Visco-Elastic Foundation under hygro-thermal loads
	46	Madhur Gupta	Influence of CNT waviness on the effective elastic properties of multiscale hybrid composite.
	69	Vinayak Kallannavar	Influence of Temperature on the Vibration Control of the Laminated Composite Sandwich Plate with A 3D Printed PLA Core
	83	Deepak Kumar Singh	Fluid-structure interaction for a moving plate and Effect of relative opening in a numerical wave tank
	108	Sanatha Kaki	Prediction Of Vibration And Noise Parameters of VCR CI Engine Fuelled With Dispersant ZnO Nanoparticle Blended Baheda Oil Using RSM
	115	Dr. Tupakula Rama Krishna	Orientation Effects in Buoyancy Driven Flow inside Porous Square Cavity
Session 5	55	Dr. Vikas Bhatnagar	Estimating the impact of news on Indian government decisions to contain the spread of COVID-19 in India
	59	Anil Kumar Mandle	Brain Tumor Segmentation of MR Images Using Deep Learning Techniques: A Review
	66	Darshan Sasikumar	Fake News Detection using Supervised Learning Techniques
	76	Param Ahir	Knowledge Detection by Relevant Question and Image Attributes in Visual Question Answering
	105	Anjana Yadav	Improve the Performance of Multidimensional Data for OLAP by using an Optimization Approach
	111	Harish R	Discerning Mental Illnesses in Social Media Posts using Machine and Deep Learning Algorithms