



International Multi-Track Conference on Sciences, Engineering and Technical Innovations: IMTC-15

Venue: VLSI -Lab (CTIEMT)

Track 2 : Electrical Engineering

Day 1 : (22 May, 2015)

Time: (2:00 PM -5:30 PM)

Technical Session 1: (Electrical Engineering)

Session Chair: Dr. A. S. Arora, Professor & Head, Department of Electrical Engineering, SLIET, Longowal

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Electrical analogy for pulmonary circulation in LAB VIEW	IMTC-T2-EE-003	Rajesh Kumar, Satnam Singh Matharu and Balwinder Kumar, Department of Electrical Engineering, CTIEMT, Shahpur,Jalandhar	Oral
2.	Hybrid Solar-Biomass Plant for power Generation-A review	IMTC-T2-EE-004	Jajwinder Singh, Arvind Dhingra, and Nitin Bhakshi, Research scholar, Guru Nanak Dev Engineering College, Ludhiana.	Oral
3.	Causes,Consequences And Remedies Due To Impact Load	IMTC-T2-EE-014	Bahadur Singh, Varun Chauhan, Sonam Jain and Daljeet Singh, Department of Electrical Engineering, CTIEMT, Shahpur, Jalandhar	Oral



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4.	Impact Of Power System Parameters On Transient Stability Phenomenon	IMTC-T2-EE-009	Jaspreet Singh, Gurwinder Singh and Satnam Singh Matharu, Department of Electrical Engineering, CTIEMT, Shahpur, Jalandhar	Oral
5.	A Practical Approach for Distribution Loss Reduction of 11KV Rural Radial Feeder Mullanpur Substation using Network Re-conductoring Method	IMTC-T2-EE-002	Varinder Singh Dhanoa and Navdeep Kaur Brar, Electrical Department BBSBEC, Fatehgarh Sahib Punjab, India	Oral
6.	Comparison of Backstepping and DSC Tehniques for the Control of Non-Linear System	IMTC-T2-EE-008	Varun Chauhan, Akshay Agnihotri and Harkanwal SinghToor, Department of Electrical Engineering, CTIEMT, Shahpur, Jalandhar	Oral
7.	Power Electronic Control for Improved Wind Power Variability- An Overview	IMTC-T2-EE-006	Sonam Jain, Rahul Sharma, and Karamjit Singh, Department of Electrical Engineering, CTIEMT, Shahpur, Jalandhar	Oral
8.	Power System Stability with Rotor angle Control: A Review	IMTC-T2-EE-012	Akshay Agnihotri, Harkanwal Singh Toor, Rahul Sharma and Maninder Kaur, Department of Electrical Engineering, CTIEMT, Shahpur, Jalandhar	Oral
9.	Symbolic Math Computation for the Analysis of Self Excited Induction Generator	IMTC-T2-EE-013	Ashish Sharma, Raja Singh Khela, Harish Kumar and Taranpreet Singh, Department of Electrical Engineering, CT Group of Institutions, Shahpur, Jalandhar	Oral



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| 10. | Harmonic Mitigation using Shunt Active Filter in Grid connected PV system | IMTC-T2-EE-005 | Deepti Yadav, Gurukul Institute of Engg and Technology, Kota (Raj.) | Oral |
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Venue: Room -9 (CTIEMT)

Track 2: Mechanical Engineering

Day 1: (22 May 2015)

Time: (2:00 PM -5:30 PM)

Technical Session 2: (Mechanical Engineering)

Session Chair: Dr. R. K. Garg, Professor, Department of Industrial & Production Engineering, NIT, Jalandhar.

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Comparative study of surface roughness while machining of EN8D steel under Wet and MQL condition	IMTC-T2/ME-006	Subeg Singh, Department of Mechanical Engineering, BCET Gurdaspur	Oral
2.	Some Studies On Investigating The Concept Of Aspects, Principles, Phases Or Areas, Challenges Of The Green Tribology Along With The Implementation Of Tribology In Automobile Industry	IMTC-T2/ME-009	Shubham Sharma, Amandeep Singh, Mandeep Kumar, C.T. Institute of Engineering Management & Technology, Shahpur campus, Jalandhar	Oral
3.	Testing of tool wear on CNC turning machine: A case study	IMTC-T2/ME-012	Karamdeep Singh, Gurvir Singh, Dept. of Mechanical Engineering, DAVIET, Jalandhar	Oral



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4.	Reduction of Moisture Content in Bagasse- A review	IMTC-T2/ME-013	Gurmeet Singh and Amandeep Singh, C.T. Institute of Engineering Management & Technology, Shahpur campus, Jalandhar	Oral
5.	Mechanical Characterization of Natural Fiber Composites: An Experimental Approach	IMTC-T2/ME-014	Harjit Singh, Jatinder Kumar, Rahul Joshi, C.T. Institute of Engineering Management & Technology, Shahpur campus, Jalandhar	Oral
6.	Effect of Weld Groove Volume on Tensile Performance of Gas Tungsten Arc Welded Martensitic Stainless Steel (AISI 410 SS) Joints	IMTC-T2/ME-016	Mandeep Singh, Varinder Singh, Department of Mechanical Engineering CTIEMT; Jalandhar; India	Oral
7.	Comparison of Tool Tip Temperature and Cutting Forces using Uncoated and AlCrN Single Layer Coated Cutting Tool Inserts in Turning	IMTC-T2/ME-017	Sanjeev Kumar, Nirmal S Kalsi, Manpreet Singh, Amandeep Singh, Department of Mechanical Engineering, CTIEMT, Jalandhar, Punjab, India	Oral
8.	Effect of Titanium Abrasive Mixed Electrical Discharge Machining on Wear Ratio of AISI P20 Steel	IMTC-T2/ME-018	Vikas kumar, Paramjit Singh, Department of Mechanical and Engineering, CITEMT, Jalandhar	Oral
9.	Performance Investigation of Solar Air Heater Duct having Square Protrusions as Roughness Geometry	IMTC-T2/ME-021	Varinder Singh, Department of Mechanical Engineering, CTIEMT, Jalandhar, India	Oral



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10.	Case Study on Traffic Management For Rectification of Congestion on A Staggered Junction	IMTC-T2/CE-001	Chander Mohan Kansal, O P Rawal, M TECH Scholar GVIET Banur College, PTU University	Oral
11.	Green Architecture (Sustainable Living Environment in Auroville)	IMTC-T2/CE-002	Ar. Shruti.H.Kapur, Associate Professor, Department of Architecture, CT Institute Of Architecture & Planning, Shahpur.	Oral



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Venue: Room -9 (CTIEMT)

Track 2: Mechanical Engineering

Day 2: (23 May 2015)

Time: (11:15 AM -1:00 PM)

Plenary Talk: Dr. Ranjit Singh, Associate Professor, Department of Mechanical Engineering, BCET, Gurdaspur.

Topic: Solar Energy

Track 2: Mechanical Engineering

Day 2: (23 May 2015)

Time: (1:00 PM -2:15 PM)

Technical Session 3: (Mechanical Engineering)

Session Chair: Dr. Jagdev Singh, Associate Professor, Department of Mechanical Engineering, BCET, Gurdaspur.

S. No.	Title of Paper	Paper Code	Author(s) Affiliation	Oral / Poster Presentation
1.	Cold Sprayed Coating for Power Plants	IMTC-T2/ME-002	Harminder Singh, Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab	Oral
2.	Fabrication Of Hydroxyapatite & Titanium Alloys Biomaterials For Bio Implants	IMTC-T2/ME-020	Sarbjeet singh, Harpinder Singh Sandhu, Vidhata Mehta' Department of Mechanical	Oral



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			Engineering, CT Group of Institutions, Shahpur, Jalandhar, Punjab, India	
3.	Effect of Cryogenic Treatment on Machining Performance of Tungsten Carbide: A Bibliographic review	IMTC-T2/ME-003	Rahul Sharma, Himanshu Tripathi, Vijay Kumar Bhanot, Global institute of Management and Emerging Technologies, Amritsar	Oral
4.	Characterization and Joining of metal pieces by microwave energy	IMTC-T2/ME-004	Shivinder Singh, NM Suri, RM Belokar, Production Engineering Department , PEC University of Technology Chandigarh	Oral
5.	Welding Process Selection for 20 mm thick mild steel plate of 0.2%c Using Graph Theory And Matrix (GTMA)	IMTC-T2/ME-007	Karanpreet singh , Kuldip singh, SBBSIET Jalandhar, India	Oral
6.	Solar Sorption Refrigeration Methods (An overview of Modern Techniques)	IMTC-T2/ME-010	Sahil Arora And Rohit Guleria, C.T. institute of engineering management & technology, Shahpur campus, Jalandhar	Oral
7.	Factors Affecting the Performance of Ground Heat Exchanger- A Review	IMTC-T2/ME-015	Amanpreet Singh, Department of Mechanical Engineering, CT Group of Institutions, Jalandhar (Punjab), India	Oral
8.	Thermal Comfort Model Of A Desert Cooler	IMTC-T2/ME-019	Vikram Singh Jamwal, Department of Mechanical Engineering, CT Group of Institutions, Jalandhar (Punjab),	Oral



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India				
9.	Radiation And Injection/Suction Effect On Spanwise Sinusoidal Fluctuating MHD Mixed Convective Flow Through Porous Medium In A Vertical Porous Channel	IMTC-T2/ME-011	B. P. Garg, Punjab Technical University, Jalandhar, Punjab, India.	Oral
10.	Performance Techniques For Operability Of Regulating Globe Valve And Its Functioning	IMTC-T2/ME-001	Dr Gurudutt Sahni, Balpreet Singh, Swarandeep Singh, Leader Valves Ltd Jalandhar, Sant Baba Bhag Singh Institute of Engineering and Technology	Oral
11.	The Effect Of Thermal Stresses On Gate Valve And Its Optimization Using New Wedge Design	IMTC-T2/ME-008	Dr Gurudutt Sahni, Balpreet Singh, Swarandeep Singh, Leader Valves Ltd Jalandhar, Sant Baba Bhag Singh Institute of Engineering and Technology	Oral