

## List of Conference Publications by ECE Faculty

Session (July, 2017- June, 2018)

S.No.	Name of Author(s)	Title of Paper	Name of Conference	Place of Conference	Date of Conference
1	Prabhjot Kaur, <b>Sandeep Singh Gill,</b> <b>Navneet Kaur</b>	Performance analysis of Junctionless accumulation mode (JAM) bulk FinFET using Dual-K Spacers at 15nm gate length	International Conference on Trends in Electronics and Informatics (ICOEI 2018)	SCAD College of Engineering and Technology, Cheranmahadevi, Tirunelveli, Tamil Nadu, India	May 11-12, 2018
2	Jashanjot Kaur, <b>Sandeep Singh Gill,</b> <b>Gurpurneet Kaur</b>	Electrical Characteristics of Double Gate and Trigate Silicon-On-Insulator Fin FET based Inverter at 20nm Technology	International Conference on Applied Sciences and Engineering (ICASE 2018)	Panjab University, Chandigarh, India	May 25, 2018

3	Pulkit Jain, Debjyoti Mallik, H. S. Jatana, <b>Sandeep Singh Gill</b>	SQNR Improvement in Fixed-Point FFT Architecture	2017 International Conference on Computing & Communication Technologies for Smart Nation (IC3TSN),IEEE Explore	G. D.Goenka University, Gurgaon	October 12-14, 2017
4	<b>Devinder Singh Pathania et al.</b>	Creep Analysis in a spherical shell under pressure	International Conference on Science and Technology : Trends and Challenges (ICSTTC-2018)	Gujranwala Guru Nanak Khalsa College, Ludhiana	April 16-17, 2018
5	<b>Devinder Singh Pathania et al.</b>	On mathematical model of rayleigh waves in Microstretch thermoelastic medium with two temperatures	International Conference on Science and Technology : Trends and Challenges (ICSTTC-2018)	Gujranwala Guru Nanak Khalsa College, Ludhiana	April 16-17, 2018

6	<b>Devinder Singh Pathania et al.</b>	Dynamic Response of Microstretch diffusion solid under three theories of thermoelasticity	International Conference on Skills in Management & Applied Sciences (MICSMAS-2018)	S.C.D Government College, Ludhiana	March 10-11, 2018
7	<b>Devinder Singh Pathania et al.</b>	Collapse Preure Analysis of Spherical Shell	International Conference on Skills in Management & Applied Sciences	S.C.D Government College, Ludhiana	March 10-11, 2018
8	<b>Devinder Singh Pathania et al.</b>	Microstretch Thermoelasticity : A Review	National Conference on Recent Trends & Innovations in Pure and Applied Mathematics (RTIPAM-2018)	DAV College, Jalandhar, India	February 23-24, 2018

9	<b>Devinder Singh Pathania et al.</b>	A mathematical model for micropolar medium subjected to hall current, rotation and nano second laser	10th Interantional Conference on Recent Development in Engineering Science, Humanities and Management (ICRDESHM'17 )	PU, Chandiagr, India	December 24, 2017
10	<b>Devinder Singh Pathania et al.</b>	Thermomechanical Interactions due to Laser pulse in micropolar thermoelastic medium with three phase lag model	3rd International Conference on Advancements in Engineering, Applied Science and Management (ICAEASM-2017)	C-DAC, Mumbai, Maharashtra, India	August 19, 2017
11	Yashmi and <b>Balwinder Singh Dhaliwal</b>	Design of a dual band crown fractal antenna	IEEE Applied Electromagnetics Conference (AEMC-2017)	Aurangabad, India	December, 2017
12	Damandeep Kaur, <b>Gurjot Kaur Walia</b>	Edge Detection of Malaria Parasites using Ant Colony Optimization	International Conference on Signal Processing, Computing and Control (ISPCC 2017)	Jaypee University of Information Technology, Solan, Himachal Pradesh, India	September 21-23, 2017

13	<b>Neha, Gurjot Kaur Walia, Harminder Kaur</b>	A Review on Security Measures for Preventing Different Attacks in MANETs	ISF Congress	DAV University, Jalandhar, India	September 6-7, 2017
14	<b>Samjot Kaur Aujla, Navneet Kaur</b>	Impact of Si/SiGe heterojunction on dual gate and dual gate dielectric material SOI FinFET	IEEE International Conference on Computation Methodologies and Communication (ICCMC 2017)	Surya Engenering College, Tamil Nadu, India	July 18-19, 2017
15	<b>Navjot Singh Cholia, Munish Rattan, Naazia Makkar</b>	Implementation of DPSK technique using GNU Radio Tool on SDR platform	International Conference on Electrical, Electronics and Communication Engineering (ICEECE-2018)	Telangana, India	April 27-28, 2018

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S.No.	Name of Author(s)	Title of Paper	Name of Conference	Place of Conference	Date of Conference
1	<b>Sandeep Singh Gill , Jaidev Kaushik, Navneet Kaur</b>	Performance Analysis of 20 nm Pentagonal and Trapezoidal NanoWire Transistor with Si and Ge Channel	7th International Conference on NANOTECHNOLOGY (NANOTECHNOLOGY '16)	Rome, Italy	October 21-23, 2016

2	J. Kaur, <b>Balwinder Singh Dhaliwal</b> and <b>Sandeep Singh Gill</b>	Handwritten Gurmukhi Character Recognition using PSONN	International Conference on Advancements in Engineering & Technology (ICAET-2016)	Sangrur, Punjab, India	November, 2016
3	<b>Balwinder Singh Dhaliwal</b> , Jaspreet Kaur and <b>Sandeep Singh Gill</b>	Offline Handwritten Gurmukhi Character Recognition using Particle Swarm Optimized Neural Network	Fourth International Conference on Recent Trends in Communication and Computer Networks, (ComNet 2016)	Bangalore, India	November, 2016
4	Raman Kumar and <b>Sandeep Singh Gill</b>	Design and Evaluation Of Charge Pump	IEEE PIICON 2016 7th Power India International Conference	Govt. Engineering College Bikaner, Rajasthan, India	November 25-27, 2016
5	<b>Navneet Kaur, Sandeep Singh Gill and Munish Rattan</b>	Electrical Characteristics of 14nm SiC-3C Channel SOI FinFET with Dual-k Spacer	IEEE PIICON 2016 7th Power India International Conference	Govt. Engineering College Bikaner, Rajasthan, India	November 25-27, 2016
6	Rohit Moudgil, <b>Sandeep Singh Gill</b>	Tuned Fuzzy Approach For Designing Of Pid Controller	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

7	Pulkit Jain, <b>Sandeep Singh Gill</b>	A Fuzzified Router for Multi-objective Global Routing in VLSI Physical Design	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
8	Sudarshana Jilowa, <b>Sandeep Singh Gill, Gurjot Kaur Walia</b>	Performance Analysis of Symmetric and Asymmetric 4H-SiC Based Double Gate MOSFET	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
9	Harsimranjit Singh Gill, <b>Sandeep Singh Gill</b> , Kamaljit Singh Bhatia	Future Generation of Passive Optical Networks	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
10	Sanamdeep Singh, <b>Sandeep Singh Gill, Navneet Kaur</b>	Design and Performance Comparison of Symmetric and Asymmetric Underlap Dual-K Spacer FinFETs	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

11	Rohin Gupta and <b>Sandeep Singh Gill</b>	Soft Computing Techniques: A Review	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
12	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Design and Performance Analysis of 20nm 5-Fin SOI FinFET for different channel materials	Proceeding of IEEE International Conference on Computing, Communication and Automation (ICCCA- 2017)	School of Computing Science and Engineering, Galgotias University, UP, India	May 5-6, 2017
13	<b>Devinder Singh Pathania et al.</b>	On the effect of Compressibility & Pressure in Spherical Shell	International Conference on Skills in Management & Applied Sciences	S.C.D Government College, Ludhiana	April 24-25, 2017
14	<b>Devinder Singh Pathania et al.</b>	Implication of Intuitionistic fuzziness over Graph Structure	National Conference on Communication and Computing Technologies	Jalandhar, Punjab, India	March 11, 2017
15	<b>Devinder Singh Pathania, Arbind Kumar</b>	A Deformation problem in Micropolar Generalized Thermoelastic Medium using Laplace and fourier transform Techniques	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017



16	<b>Devinder Singh Pathania</b> , Pankaj Thakur, Gaurav Verma	Safety Analysis of Spherical Shell Structures Subjected to External Pressure	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
17	<b>Devinder Singh Pathania et al.</b>	A problem on deformation in micropolar generalized thermoelastic medium with mass diffusion subjected to thermo mechanical loading due to thermal laser pulse by using integral transforms techniques	6th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-17)	NITTTR Chandigarh, India	January 8, 2017
18	<b>Devinder Singh Pathania et al.</b>	Interactions due to Hall Current and Rotation with Microstretch Thermoelastic Solid	International Conference on Mechanical and Production Engineering (ICMAPE-16)	Mumbai, India	December 31, 2016
19	<b>Devinder Singh Pathania et al.</b>	Two Dimensional Deformation in a Homogeneous Microstretch Thermoelastic Medium	International Conference on Latest Innovations in Science, Engineering and Management (ICLISEM-16)	Panjim, Goa	October 9, 2016

20	Pawanjot Kaur, <b>Ameeta Seehra</b>	Traffic Splitting in Hybrid Virtual-MIMO System in Wireless Sensor Networks	IEEE 4rth International Conference on Computing for Sustainable Global Development (INDIACom-2017)	Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India	March 1-3, 2017
21	Kirandeep Kaur, <b>Ameeta Seehra</b>	Enhancement of network life time using fuzzy based Cluster Head Selection Algorithm	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
22	Sarpreet Kaur, <b>Narwant Singh Grewal and Sapanjot Kaur Sandhu</b>	Particle swarm optimization based radio over fiber system with optimized CNR and Bandwidth	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
23	Jaskaran Singh Phull, <b>Narwant Singh Grewal</b>	GNU Radio based implementation of Audio Transmission using Narrow-band Frequency Modulation	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

24	Harjot Kaur Gill, Harmeet Singh Gill and <b>Balwinder Singh Dhaliwal</b>	Performance Analysis of OFDM-ODSB, OFDM- OSSB and OFDM- OVSB FSO Communication System by Employing Spatial Diversity	Fourth International Conference on Recent Trends in Communication and Computer Networks, (ComNet 2016)	Bangalore, India	November 12, 2016
25	Jayant Chawla, <b>Balwinder Singh Dhaliwal, Simranjit Kaur</b>	An Adaptive Parameter Analysis Approach for Effective WSN Localization	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
26	Kamaldeep Kaur and <b>Balwinder Singh Dhaliwal</b>	Analysis of MIMO Antenna using Artificial Neural Network	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
27	Sahajpal Singh, <b>Balwinder Singh Dhaliwal</b>	Analysis of Hybrid fractal Antenna using Artificial Neural Network	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

28	Ramandeep Kaur, <b>Simranjit Kaur Josan,</b> <b>Balwinder Singh</b> <b>Dhaliwal</b>	Analysis of a Pentagon Fractal Antenna Using Artificial Neural Network	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
29	<b>Simranjit Kaur Josan</b> and <b>Balwinder Singh Dhaliwal</b>	Analysis of Elliptical Microstrip Patch Antenna Using Neural Network Ensemble	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
30	Mandeep Singh, <b>Balwinder Singh</b> <b>Dhaliwal</b>	Quad Staircase Shaped Microstrip Patch Antenna byusing ANN	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
31	Suman, H K Sardana and <b>Balwinder Singh Dhaliwal</b>	Radio Frequency Radiation Impact Analysis on ECG and HRV: A Review	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

32	Kiranjot Kaur, <b>Munish Rattan</b> and Manjeet Singh Patterh	Bat Algorithm based Optimization of a Multiuser Cognitive Radio System over Nakagami- m Fading Channels	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
33	Gaurav Gupta, <b>Munish Rattan, Jasmeet Kaur</b>	A Review on Efficient data transmission in Vehicular AD-HOC network using Cognitive Radio	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
34	Deepak Papneja, <b>Munish Rattan</b> and <b>Jasmeet Kaur</b>	Multi-Coset Sampling bas	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
35	Ravinderjit Kaur, <b>Munish Rattan</b>	Design and Optimisation of Radar Absorbing Material with the help of resistor FSS	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

36	Amrit Singh, <b>Baljeet Kaur</b>	Cost Effective Approach for Suppression of Four Wave Mixing in WDM System	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
37	Avneet Kaur, <b>Baljeet Kaur</b> and <b>Kuldeepak Singh</b>	Next Generation Optical Access Networks: A Review	Proceedings of 4th International Conference on Advancements in Engineering & Technology (ICAET-2016) ISBN No. 978-81-924893-1-5		December, 2016
38	Prabhjot Kaur, <b>Baljeet Kaur</b>	Four Code Keying in OCDMA	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
39	Divnoor Kaur and <b>Baljeet Kaur</b>	Implementation of a seamless bidirectional communication link for long-haul networks on optical fiber-free space optics system	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

40	Rajwinder Kaur, <b>Harminder Kaur,</b> <b>Jaspreet Kaur,</b>	HOP optimization in Massively Dense Wireless Sensor Network	IEEE First International Conference on Power Electronics, Intelligent Control and Energy	Delhi Technological University system, Delhi, India	July 4-6, 2016
41	Harpreet kaur, <b>Harminder Kaur</b>	New Energy Saving Routing Protocol With Modified Power Consumption Optimization In MANET	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
42	Gaganpreet Kaur, Ashish Thakur, <b>Harminder Kaur</b>	Implementation of File Transfer With Gnu-Radio Tool on SDR Platform	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
43	<b>Harminder Kaur,</b> Jagjit Kaur	Gateway Based Design of Network Model for WSN	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

44	Shyna Kalra, <b>Harminder Kaur</b>	Improving Energy Efficiency of MANETs using protocol driven by CPE	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
45	<b>Harminder Kaur,</b> Harsimranjit Kaur, Jagjit Kaur	DWDM System Simulation of Design for Different Channel Spacing Using PDCF & PSMF	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
46	Samjot Kaur Aujla, <b>Navneet Kaur</b> and <b>Gurjot Kaur Walia</b>	Effective Detection of Glaucoma from Fundus Images using Computational Intelligence Technique	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
47	<b>Gurjot Kaur,</b> Kanwarpreet Kaur, <b>Chahat Jain, Navneet Kaur</b> and <b>Gurpurneet Kaur</b>	Amalgamation of NNE and Jaya Algorithm to extract the abnormal part in MRI Images	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017



48	Kanwarpreet Kaur, <b>Gurjot Kaur, Jaspreet Kaur, Mandeep Kaur</b>	Detection of Brain Tumor from MRI Images: A Review Student, GNDEC, Ludhiana, India	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
49	<b>Gurpurneet Kaur, Ripjeet Singh, Gurjot Kaur Walia</b>	Performance Analysis of Triangular Gate-all around Nanowire FETs with Si and GaAs as Channel Materials for Different Temperature values	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
50	Damandeep Kaur, Navpreet Singh Samra, <b>Gurjot Kaur</b>	Methods Of Malaria Diagnosis Using Image Processing	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
51	Saroop Singh, <b>Chahat Jain</b> , Nancy Gupta, <b>Gurjot Walia</b>	Prediction Of Resonant Frequency Of Spiralled Swastika Slotted Antenna Using ANN-BFO For Wlan Applications	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

52	Ripjeet Singh, <b>Gurpurneet Kaur,</b> <b>Jasmeet Kaur</b>	Design and Performance Analysis of Junctionless Nanowire Transistors based Inverters Using Si and SiGe as Channel Material	IEEE 4 <sup>th</sup> International Conference on Computing for Sustainable Global Development (INDIACom-2017)	Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India	March 1-3, 2017
53	Gurleen Kaur, <b>Gurpurneet Kaur</b> and Manpreet Singh Brar	Design and Performance Analysis of 20nm 7-Fin SOI FinFET	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
54	RK Singh, <b>Chahat Jain</b>	Eigen value and transmission characteristics of a disc loaded interaction structure for a Gyro-TWT amplifier	11 <sup>th</sup> International conference on Industrial and Information systems	IIT, Roorkee, India	Dec 3-4,2016
55	Sandeep Singh and <b>Chahat Jain</b>	Design and analysis of the fractal antenna over mushroom type AMC in the vicinity of 2-5 GHz	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

56	Shashi Bhushan Kotwal, <b>Chahat Jain</b>	RSSI Based 3D Localization in Wireless Sensor Networks	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
57	R. K. Singh and <b>Chahat Jain</b>	EM Analysis of Vane-Loaded RF Interaction Structure for its Potential Application in Gyrotrons	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
58	<b>Chahat Jain</b>	Metamaterial Cloaking: Making the invisibility through the visible	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
59	Saroop Singh, <b>Chahat Jain</b>	Analysis of Swastika Slotted pater on a telted square melasurface.	Proceeding of IEEE International Conference on Computing, Communication and Automation (ICCCA-2017)	School of Computing Science and Engineering, Galgotias University, UP, India	May 5-6, 2017

60	Avinashi Chhabra, Saroop Singh, <b>Chahat Jain</b>	Analysis of square fractal antenna on a square sloted metasurface	Proceeding of IEEE International Conference on Computing, Communication and Automation (ICCCA-2017)	School of Computing Science and Engineering, Galgotias University, UP, India	May 5-6, 2017
61	Sukhjeet Kaur, Ravneet Kaur, <b>Harminder Kaur, Kuldeepak Singh</b>	New Technologies of Optical wireless communications and their Applications	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
62	Ravneet Kaur, Sukhjeet Kaur, <b>Harminder Kaur</b>	An Approach to Study the Applications of Soft Computing	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
63	Shruti Sharma, Ravneet Kaur Gill, <b>Harminder Kaur</b>	Green Wireless Communication-Need & Approaches For Energy Efficient Wireless Communication	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

64	Harkirandeep Kaur, <b>Kuldeepak Singh</b>	Performance Analysis of MIMO-OFDM System for Fading Channels	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
65	Gurpreet Kaur, <b>Kuldeepak Singh</b>	A Robust Adaptive Beamforming Algorithm using Neural Network against a large Mismatch	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
66	Avinash Kaur, <b>Kuldeepak Singh</b>	Segmentation in the retinal blood vessel and recognition using the Gabor filter	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
67	Jasleen kaur, <b>Kuldeepak Singh</b>	Performance Comparison of NRZ, RZ And CSRZ in Isowc System For Different Optical Windows And Power Levels At 10 Gbps	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

68	Mansi Girdhar, <b>Kuldeepak Singh,</b> <b>Daljeet Singh</b>	Non- Orthogonal Multiple Access in 5G	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
69	Amandeep Kaur, <b>Jasmeet Kaur, Nishu kansal</b>	D-EPAR: Distance- Efficient Power Aware Routing Protocol for MANETs	2nd International Conference on Next Generation Computing Technologies (NGCT- 2016)	Dehradun, India	October 14-16, 2016
70	<b>Jasmeet Kaur</b>	Use of Evolutionary Algorithm approaches in Analog Integrated Circuit Design	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
71	Srishti, <b>Jasmeet Kaur</b>	Device Level Variability in fin shapes for 14 nm FinFET technologies	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

72	Shweta Vij , <b>Naazia Makkar,</b> <b>Sapanjot Kaur</b>	Performance Analysis Of Ofdma, Mimo And Sc-Fdma Technology In Uplink And Downlink Channels In 4g Lte Networks	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
73	Sheenam Rattan, <b>Jaspreet Kaur</b>	Artificial Neural Network-Based System for Lung Nodules for Early Detection of Lung Cancer	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
74	Surinder Kumar, <b>Jaspreet Kaur</b>	Meta-Material Properties and Application Design	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
75	Sumandeep Kaur, <b>Daljit Singh</b>	Early Detection and Classification Of Diabetic Retinopathy using K-Means Color Compression and Fuzzy Logic	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017

76	<b>Tarandeep Singh</b>	IOT Based Smart Waste Management Framework	International Conference on Soft Computing Applications in Wireless Communication (SCAWC-2017)	Guru Nanak Dev Engineering College, Ludhiana, India	March 9-11, 2017
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**Session (July, 2015- June, 2016)**

S.No.	Name of Author(s)	Title of Paper	Name of Conference	Place of Conference	Date of Conference
1	<b>Navneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Impact of Fin Height on the Performance of 25 nm Rectangular Tri-Gate FinFET	National conference on Advances in Microelectronics, Instrumentation and Communication (MICOM-2015)	BITS, Pilani, India	November 20-21, 2015
2	<b>Ankit Gaurav, Navneet Kaur, Sandeep Singh Gill</b>	Performance Analysis of Rectangular and Trapezoidal TG Bulk FinFETs for 20 nm gate length	International Conference INDICON 2015(IEEE)	JMI, New Delhi, India	December 17-20, 2015



3	Sudarshana Jilowa, <b>Sandeep Singh Gill,</b> <b>Gurjot Kaur Walia</b>	Design of 3C-SiC Symmetric and Asymmetric Double Gate MOSFET	2nd IEEE International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI SATA 2016)	Amrita School of Engineering, Amrita Vishwa Vidyapeetham Bengaluru Campus, India	January 10-12, 2016
4	Jaidev, <b>Sandeep Singh Gill, Navneet Kaur</b>	Performance Analysis of 20 nm Si and Ge channel based Pentagonal and Trapezoidal NWT	International Conference on Mathematics Physics & Allied Sciences	Carmel College, Margao, Goa, India	March 3-5, 2016
5	Amarjot Kaur, <b>Sandeep Singh Gill,</b> <b>Gurjot Kaur Walia</b>	Hybrid Swarm Intelligence for VLSI Floorplan	IEEE International Conference on Computing, Communication and Automation (ICCCA- 2016), (Souvenir)	School of Computing Science and Engineering, Galgotias University, Noida,UP, India	April 29-30, 2016
6	<b>Navneet Kaur,</b> <b>Sandeep Singh Gill,</b> <b>Munish Rattan</b>	Impact of Gate Oxide Thickness and Aspect Ratio of Fin Height and Fin Width on Nanoscale Tapered FinFETs	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21, 2016

7	Sarvesh Singh, <b>Sandeep Singh Gill,</b> <b>Navneet Kaur</b>	Design and Performance Comparison of 20nm Multi-fin Bulk and SOI FinFETs at Different Temperatures	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21, 2016
8	Ankit Gaurav, <b>Sandeep Singh Gill, Navneet Kaur, Munish Rattan</b>	Density Gradient Quantum Corrections based Performance Optimization of Triangular TG Bulk FinFETs using ANN and GA	IEEE VDAT-16	IIT, Guwahati	May 24- 27, 2016
9	<b>Devinder Singh Pathania et al.</b>	Deformation of Micropolar Generalized Thermoelastic solid subjected to Thermomechanical loading due to thermal Laser Pulse	International Conference on Mathematics 2015	Department of Mathematics, University of Kerala, Thiruvananthapura m, Kerala, India	November 26-28, 2015
10	<b>Devinder Singh Pathania,</b> Rajneesh Kumar, Arvind Kumar	A two-Dimensional Problem Micropolar Thermoelastic Medium under the effect of Laser Irradiation and Distributed Sources	17th International Conference on Mathematical, Computational and Statistical Sciences and Engineering (ICMCSSE 2015)	Dubai, UAE	October 17-18, 2015

11	Parleen Kaur, <b>Ameeta Seehra</b>	Adaptive IIR Filter for Tracking and Frequency Estimation of Electrocardiogram Signals Harmonically	International Conference on current advances in Electronics, Computer Science and Information Technology (ICECSIT)	Pune, India	September 20, 2015
12	Pawanjot Kaur, <b>Ameeta Seehra, Simranjit Kaur</b>	Advances in Virtual-MIMO	3rd DAV National Congress on Science, Technology, Engineering, Humanities & Management	DAV Institute of Engineering & Technology, Jalandhar	May 20-21, 2016
13	Shivmanmeet Singh, <b>Narwant Singh Grewal</b>	Improved deployment of sensor in reliable messaging protocol for sensor network navigation without locations	International Conference on Innovative research in engineering science, information and communication technology (ICREICT-2015)	LLRIET, Moga, India	July 30-31, 2015
14	<b>Narwant Singh Grewal, Munish Rattan,</b> Manjeet Singh Patterh	A Linear Antenna Array Failure Detection using Bat Algorithm	2015 Eighth International Conference on Contemporary Computing (IC3)	Jaypee Institute of Information Technology, Noida (U.P., India)	August 20-22, 2015

15	Jasdip Kaur, <b>Chahat Jain, Narwant Singh</b>	An improved image watermarking technique implementing 2-DWT and SVD	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21,2016
16	Sakshi Sharma, <b>Narwant Singh Grewal, Naazia Makkar</b>	Improving Network Stability of Sink Mobility using Immunity Algorithm in Wireless Sensor Networks	National Conference on Emerging trends in Engineering Science & Technology	SBSCET, Ferozpur, India	June, 2016
17	Navreet Saini and <b>Balwinder Singh Dhaliwal</b>	Output Aggregating Methods for Neural Network Ensemble	International Conference on Innovative research in engineering science, information and communication technology (ICREICT-2015)	LLRIET, Moga (India)	July 30-31, 2015
18	Aysha Sharma and <b>Balwinder Singh Dhaliwal</b>	Design of IIR Filter using Hybrid GA and BBO Algorithm	International Conference on Emerging Trends in Engineering and Technology	Chandigarh, India	November 8, 2015
19	<b>Balwinder Singh Dhaliwal</b> and S. S. Pattnaik	RBF Neural Networks as a CAD tool for the design of Sierpinski Gasket Fractal Antenna	National Conference on Emerging Technologies in Computer Engineering	Jaipur, India	November 27 – 28, 2015

20	<b>Balwinder Singh Dhaliwal</b> and Shyam Sundar Pattnaik	Compact Crown Circular Pre-Fractal Antenna and Its Analysis Using GA Based Selective ANN Ensemble	Asia-Pacific Microwave Conference (APMC2015)	Nanjing, China	December 6-9, 2015
21	Navreet Saini, <b>Balwinder Singh Dhaliwal</b> and <b>Simranjit Kaur Josan</b>	Genetic Algorithm Based Selective Neural Network Ensemble Method to Analyse Rectangular Microstrip Antenna	International Conference on Microwave, Optical and Communication Engineering (ICMOCE-2015)	Bhubaneswar, India	December 18-20, 2015
22	<b>Balwinder Singh Dhaliwal</b> and Shyam S. Pattnaik	Small Size Dual-band Fractal Boundary Split Ring Planar Antenna,	IEEE Applied Electromagnetics Conference (AEMC-2015)	Guwahati, India	December 18-21, 2015
23	Aysha Sharma and <b>Balwinder Singh Dhaliwal</b>	Digital Filter Design using Soft Computing Approaches	International Conference on Innovative Trends in Electronics Engineering	Patiala, India	January 29, 2016
24	Nitika Sharma, <b>Balwinder Singh Dhaliwal</b>	Design of A Fractal Slot Antenna for Rectenna System and Comparison of Simulated Parameters for Different Dimensions	National Conference on Recent Innovations in Science & Engineering,	Hamirpur, India	March 04-05, 2016

25	Nitika Sharma, <b>Balwinder Singh Dhaliwal, Simranjit Kaur</b>	A New Tripple band hybrid Fractal Boundary Antenna	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21, 2016
26	Hardev Singh, K. S. Bedi and <b>Balwinder Singh Dhaliwal</b>	Artificial Neural Networks for Shear Strength Prediction of RCC Beams without web Reinforcement	International Conference on Sciences, Engineering & Technical Innovations (ICSETI-2016)	Jalandhar, India,	June 3-4, 2016
27	Narender Kumar, <b>Munish Rattan</b>	Implementation of Embedded RISC Processor with Dynamic Power Manangement for Low-Power Embedded system on SOC	2nd IEEE International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015)	UIET, Panjab University, Chandigarh, India	December 21-22, 2015
28	Gagandeep Kaur, <b>Chahat Jain, Munish Rattan</b>	Review of Antennas Deploying Fractal Slot Geometries	Natiuonal conference on advances in engineering and technology (AETM'16)	MMU, Ambala	April 9, 2016
29	Gagandeep Kaur, <b>Chahat Jain, Munish Rattan</b>	A novel multiband Psi slotted fractal antenna for S-band applications	IEEE International Conference on Computing , Communiacion and Automation	Galgotia's University, Noida	April 29-30, 2016

30	Avneet Kaur, <b>Baljeet Kaur</b>	Performance Analysis of Hybrid TDM-WDM 10G-PON and 40G-PON for NG-PON	International Conference on Soft Computing, Intelligent Systems and Applications		2016
31	Avneet Kaur, <b>Baljeet Kaur, Kuldeepak Singh</b>	Design and Performance Analysis of Bi-directional TWDM OFDM -PON with wavelength reuse scheme	International Conference on Recent trends in Electronics Information Communication Technology (IEEE)	Sri Venkateshwara College of Engineering Bangalore, India	May 20-21, 2016
32	<b>Chahat Jain , Gurjot Kaur Walia, Navneet Kaur, Harminder Kaur, Gurpurneet Kaur</b>	Engineering Cognitively in an Indian Scenario	3rd International Conference on MOOCs, Innovation and Technology in Education	Amritsar College of Engineering and Technology, Amritsar, India	October 1-2, 2015
33	<b>Harminder Kaur</b>	A Survey of Hybrid Cluster-Based Energy Efficient Routing Protocols in Wireless Sensor Networks	International Conference on Technologies for Sustainability Engineering, Information Technology, Management and Environment (SUSTECH-15)	DAV Institute of Management, Faridabad, India	November 28, 2015
34	Kanwarpreet Kaur, Prabhjot Kaur, Pooja Arora, <b>Gurjot Kaur, Jaspreet kaur</b>	A Review on Classification and Detection Techniques of Brain Tumor	Recent Trends in Environment, Science and Technology(RTSET-2016)	Rayat Bahra, University, Mohali, India	March 11, 2016

35	Kanwarpreet Kaur, <b>Gurjot Kaur, Jaspreet Kaur</b>	Detection of Brain Tumor: A Review	International Conference on Advancements in Engineering & Technology (ICAET-2016)	BGIET, Sangrur, India	March 18-19, 2016
36	Kanwarpreet Kaur, <b>Gurjot Kaur, Navneet Kaur, Chahat Jain</b>	A Review on Image Denoising Techniques	National Conference on Advances in Engineering & Technology Management & Science	Asra College of Engineering & Technology, Sangrur, India	April 23, 2016
37	Kanwarpreet Kaur, <b>Gurjot Kaur, Jaspreet Kaur</b>	Detection of Brain Tumor using NNE Approach	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21, 2016
38	Shruti Sharma, Ravneet Kaur, Vinay Kumar, <b>Chahat Jain</b>	Solar Energy Based Warehouse Control System	National conference on advances in engineering and technology (AETM'16)	MMU, Ambala	April 9, 2016
39	Sandeep Singh, <b>Chahat Jain, Daljit Singh</b>	A Novel Approach based on Reliable Messaging Protocol for Sensor Network Navigation without Locations	National conference on advances in engineering and technology (AETM'16)	MMU, Ambala	April 9, 2016



40	<b>Chahat Jain</b>	Design investigation of a spiralled swastika slotted antenna for modern space applications	IEEE International Conference on Recent Trends in Electronics Information Communication Technology	Banglore, India	May 20-21, 2016
41	Rajwinder Kaur, <b>Harminder Kaur,</b> <b>Jaspreet Kaur</b>	Massively Dense Wireless Sensor Network: A Survey	National Conference on latest Initiatives and Innovations in Communication and Electronics	Chandigarh University Gharuan, India	April 29, 2016
42	<b>Kirandeep Kaur,</b> Neelu Jain	Performance Analysis of Text-dependent Speaker Recognition System based on Template Model based Classifiers	2015 International Conference on Signal Processing, Computing and Control (2015 ISPCC)	Jaypee University of Information Technology Waknaghat, Solan-173234, India	September 24-26, 2015

## List of Conference Publications by ECE Faculty

### Session (July, 2014-June, 2015)

S.No.	Name of Author(s)	Title of Paper	Name of Conference	Place of Conference	Date of Conference
1	Jasdeep Kaur, <b>Sandeep Singh Gill</b>	QoS Based Energy Efficient Key Management in Body Sensor Networks	International Conference on Medical Imaging, m-Health & Emerging Communication Systems	G.L.Bajaj Institute of Technology & Management, Greater Noida, India	November 7-8, 2014

2	Amanjot Kaur Gill, <b>Sandeep Singh Gill</b>	The Science & Technology Entrepreneurs Park (STEP), GNDEC, Ludhiana : A Case Study	6th National Conference on Innovative Approaches in Management , Law & Social Sciences for Sustainable Growth and Development	Manav Bharti University, Sultanpur, Solan, HP, India	November 28-29, 2014
3	Simranjeet Singh Puaar, <b>Sandeep Singh Gill</b>	Power Evaluation of Adiabatic Logic Circuits in 45nm Technology	International Conference on Emerging Trends in Engineering and Management -2014 (ICETEM-2014)	Sree Narayan Gurukulam college of Engineering, Ernakulam, Kerala, India	December 30-31, 2014
4	Amanjot Kaur Gill, <b>Sandeep Singh Gill</b>	Employees' Satisfaction about HR Policies and Practices : a study on Agro Based Industries in Punjab (India)	International Conference on Emerging Trends in Engineering and Management -2014 (ICETEM-2014)	Sree Narayan Gurukulam college of Engineering, Ernakulam, Kerala, India	December 30-31, 2014
5	Ankja Dubey, <b>Sandeep Singh Gill</b>	Comparison of FinFET and IG FinFET at sub-32nm Technology	International Conference on Electrical ,Electronics, Signals, Communication and Optimization (EESCO)	Vignan's Institute of Information Technology Duvvada, Visakhapatnam Andhra Pradesh, India	January 24-25 , 2015

6	Gaurav Kumar, <b>Sandeep Singh Gill</b>	QRD-RLS Adaptive Filtering Approach for Acoustic Echo Cancellation and its Comparison with LMS and FLMS Algorithms	International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO)	Vignan's Institute of Information Technology Duvvada, Visakhapatnam Andhra Pradesh, India	January 24-25 , 2015
7	Surekha Rani, <b>Balwinder Singh Dhaliwal, Sandeep Singh Gill</b>	Differential Evolution Biogeography Based Optimization For Linear Phase FIR Low Pass Filter Design	International Conference on Modeling, Simulation and Optimizing Techniques (ICMSOT-2015)	DAV College, Jalandhar, India	February 12-14, 2015
8	Gurveer Kaur, <b>Balwinder Singh Dhaliwal</b> and Shyam S. Pattnaik	Metamaterial Loaded High Gain Smiley Antenna	Proceedings of International Symposium on Antennas and Propagation APSYM, 2014	Department of Electronics, Cochin university of Science & Tecchnology, Kochi, India	December 17-19, 2014
9	Parampal Singh, <b>Balwinder Singh Dhaliwal</b>	An Efficient Hybrid SIMBO-GA Approach to Design FIR Low Pass Filter	International Conference on Modeling, Simulation and Optimizing Techniques (ICMSOT-2015)	DAV College, Jalandhar, India	February 12-14, 2015

10	Mukta Sharma, and <b>Balwinder Singh Dhaliwal</b>	Design of Rectangular Microstrip Patch Antenna using Self- adaptive Bacterial Foraging Optimization	International Conference on Electrical Electronics Communication Robotics and Instrumentation Engineering (ICEECIE 2015) Chandigarh	Chandigarh, India	May 17, 2015
11	Gaganjot Kaur, <b>Chahat Jain</b>	Circularly Polarized Microstrip Antenna on Hilbert Curve Artificial Magnetic Conductor Surface	International conference on Computing ,Communication and Automation-2015 (IEEE)	Galgotia's university, Noida, UP, India	May 15-16, 2015

## List of Conference Publications by ECE Faculty

### Session (July, 2013- June, 2014)

S.No.	Name of Author(s)	Title of Paper	Name of Conference	Place of Conference	Date of Conference
1	<b>Sandeep Singh Gill,</b> Amanjot Kaur Gill	State Of Tourism Industry In Punjab (India): A Case Study	Congress on Economy, Finance and Business (CEFB2013)	Thailand	November 06-08, 2013

2	<b>Sandeep Singh Gill,</b> Amanjot Kaur Gill	Corporate Social Responsibility In Small And Medium Enterprises In Industrial Hub Of Ludhiana (India): A Case Study	Congress on Economy, Finance and Business (CEFB2013)	Thailand	November 06-08, 2013
3	<b>Dr. Sandeep Singh Gill,</b> Bhavna Verma, Amanjot Kaur Gill	Effect Of Menstrual Cycle On The Formant Frequencies Of Speech Signal	ICETEAS '13	Rajasthan College of Engg. For Women, Jaipur, India	December 27-28, 2013
4	<b>Dr. Sandeep Singh Gill,</b> Amanjot Kaur Gill	Startup Issues In CMOS Power Supply	ICETEAS '13	Rajasthan College of Engg. For Women, Jaipur, India	December 27-28 , 2013
5	<b>Rohin Gupta, Sandeep Singh Gill, Navneet Kaur</b>	A Novel Low Leakage And High Density 5T CMOS SRAM Cell In 45nm Technology	IEEE Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2014)	PU, Chandigarh	March 6-8, 2014
6	P. Bansal, <b>Balwinder Singh Dhaliwal</b> and <b>Sandeep Singh Gill</b>	Memory Efficient Radix-2 FFT Processor Using CORDIC Algorithm	IEEE International Conference on Green Computing Communication and Electrical Engineering	PU, Chandigarh	March 6-8, 2014
7	Aditi Kalsh, <b>Nirmal Singh Grewal</b>	Design and Development Of Efficient Sign Language Recognition System	International Conference on Emerging Technologies in Electronics And Communication- ICETEC 2013	Guru Nanak Dev University, Amritsar, Punjab, India	December 20-22, 2013

8	Pallavi Sharma, <b>Narwant Singh Grewal</b>	A Hybrid Approach Based Broadcast Algorithm In Wireless ADHOC Networks	Proceedings of International Conference IRAJ	Pune (India)	August 10, 2013
9	<b>Narwant Singh Grewal , Munish Rattan</b> , Dr. Manjeet Singh Patterh	Antenna Array Pattern Failure Correction Using Differential Evolution Algorithm	2013 IEEE International Conference on Signal Processing, Computing and Control (ISPCC)	JUIT Wahnaghat, Solan, H. P. India	September 26-28, 2013
10	Er. Simerpreet Singh, <b>Narwant Singh Grewal</b>	Impact Of Various Propagation Models On Performance Of On-Demand Routing Protocols	4th International Conference on Emerging Trends in Engineering & Technology- IETET 2013	GIMT, Kurukshetra, India	October 25-27, 2013
11	Savita Rani, <b>Narwant Singh Grewal</b>	Design Of Floating Point Multiplication And Implementation On Hybrid FPGA	International Conference on Emerging Technologies in Electronics And Communication- ICETEC 2013	Guru Nanak Dev University, Amritsar, Punjab, India	December 20-22, 2013
12	<b>Narwant Singh Grewal , Munish Rattan</b> , Dr. Manjeet Singh Patterh	Array Failure Correction Using Simulated Annealing	IEEE Antenna Week Advances In Engineering and Computational Sciences	Chandigarh , India	May 26-30, 2014

13	Jasmine Boparai, <b>Balwinder Singh Dhaliwal</b>	A New Multiband Fractal Antenna For Wireless Applications	IEEE International Conference on Microwaves, Antenna, Propagation and Remote Sensing (ICMARS-2013)	Jodhpur, India	December 11-14, 2013
14	<b>Balwinder Singh Dhaliwal</b> , Shyam S. Pattnaik	A Miniaturized Multiband Split Ring Fractal Patch Antenna	IEEE Indian Antenna Week (IAW-2014)	Chandigarh, India	May 26-30, 2014
15	<b>Harminder Kaur</b> , Jagjit Kaur	A Review On Experimental And Analytical Analysis Of Earth Air Tunnel Heat Exchanger	Agriculture, Food Engineering and Environmental Sciences- Sustainable Approaches (AFEESSA- 2014)	Jawaharlal Nehru University, New Delhi, India	March 29-30, 2014
16	<b>Harminder Kaur</b> , Pallavi Jain	An Improved Gateway Based Design Of Network Model For Wireless Sensor Network	International Conference on Recent Trends in Electronics, Data Communication and Computing (ICRTED-2014)	New Delhi	June, 2014
17	<b>Chahat Jain</b>	A Novel Multiband Fractal Antenna On A Fractalised Mushroom Stack	IEEE Indian Antenna Week (IAW-2014)	Chandigarh , India	May 26-30, 2014

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