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Dr. Meenakshi Gupta

Designation : Associate Professor

Qualifications : Ph.D. (Electronics & Communication Engineering)

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Research Interest : VLSI DESIGN (BACK END), MICROELECTRONICS, MIXED SIGNAL DESIGNING, ANALOG INTEGRATED CIRCUITS, DIGITAL INTEGRATED CIRCUITS

+ Journal Publication Details:

2020:

1. **Meenakshi Gupta, Dr. V.K Sharma, 'Analysis, Design & Simulation of Analog to Digital converter'**, International Journal of Research & Engineering & Technology, Vol. 8, Issue 10, OCT 2020, ISSN 2321-8843, pp. 1-6, UGC approved Journal.
2. **Meenakshi Gupta, Dr. V.K Sharma, 'Design the mathematical analysis & circuit of data converters'**, Published & presented in International Conference "ISMAC-CVP 2020", St. Mother Theresa Engineering College, Tamil Nadu, India, 29 to 30 Oct. 2020. Published in Elsevier SSRN library.

2019:

1. **Meenakshi Gupta, Dr. V. K Sharma & Bhanu Pratap Chaudhary, "Design an Operational Amplifier as a building block of Analog to Digital converter in 350 nm technology"**, paper published in ESCI Indexed Journal of Taylor And Francis through International Conference of data sciences, security and applications 2019, March 2019.

2016:

1. **Meenakshi Gupta & Mohit Sharma, " Smart Wheel Chair"**, International Journal of Industrial Electronics & Control, Volume -8, Number 1, 2016, pp 1-6, , January 2016.
2. **Meenakshi Gupta & Sarita Yadav, "Survey on Technique of Multimodal Biometric System"**, IJIRCCE Vol. 4, Special Issue 4, ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798 August 2016, .
3. **Meenakshi Gupta & Aditi, "Switched Capacitor Circuits"**, IJIRCCE Vol. 4, Special Issue 4, ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798, August 2016.
4. **Meenakshi Gupta & Megha Taneja, "Carbon Nanotubes as Interconnects"**, IJIRCCE Vol. 4, Special Issue 4, ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798 August 2016.

2015:

1. **Meenakshi Gupta**, “**Stress Generation Techniques in Advanced CMOS**”, MR International Journal of Engineering and Technology, 2016, Volume 9, Issue 1, pp-1-6, January 2015.
2. **Meenakshi Gupta**, “**Surface Potential Solution for a nanoscale Double Gate MOSFET**”, in International Journal of Electronics and Communication Engineering, 2016, Volume 9, Issue 1, pp-1-6, January 2015.

2012:

1. **Meenakshi Gupta**, “**Design of Read-Out Integrated Circuit for ISFET based pH sensor with On-Chip Temperature compensation using 0.18µm UMC Technology**’, International Journal (IJECWKI), Volume 1, Issue 6, February 2012.

2011:

1. **Meenakshi Gupta & Indrash Babbar**, “**Design and calculation of two stage operational amplifier using 0.35µm micron technology**”, International Journal of Advances and Scholarly Researches in allied Education Publications, ISSN 2230-7540, Volume1, pp. 10-16, January 2011.

2010:

1. **Meenakshi Gupta & Shefali chopra**, “**Layout designing and analysis of two stage operational amplifier**”, International Journal of Microcircuits and Electronic international journal at the Research India Publication, Volume 1, Number 1 pp. 1—5, September 2010.
2. **Meenakshi Gupta & Chitra Gaba**, “**Bluetooth & Wireless LAN**”, Advances in Wireless and Mobile Communications international journal, ISSN 0973-6972 Volume 3, Number 2, pp. 157–163, September 2010.
3. **Meenakshi Gupta & Richa Maheshwari**, “**Multirate DSP and its technique to reduce the cost of the analog signal conditioning filters**”, International Journal of Computer Applications, FCS, New York, USA, <http://www.ijcaonline.org/archives/volume4/number10/862-1211>, August 2010.

+ Conference Details:**2022:**

1. **Naveen, Kunal, Dr. Meenakshi Gupta, Bhanu Pratap Chaudhary**, ‘**Automation Contactless Switch For Smart Home Automation**’, Paper presented in International Conference on Robotics, Automation & Communication Engineering for Industry 4.0”, February 2022.
2. **Aishvarj Gupta, Dr. Shruti Vashist, Dr. Meenakshi Gupta**, ‘**EVOLUTION OF BLOCKCHAIN: From Bitcoin, Ethereum to Polkadot**’, Paper presented in International Conference on Robotics, Automation & Communication Engineering for Industry 4.0”, February 2022.

<p>3. Poorav Panchal, Tushar Sharma, Dr. Meenakshi Gupta, Dr. Nitika, ‘Blood Oxygen With Heart Rate Monitor And Data Saving’, Paper presented in International Conference on Robotics, Automation & Communication Engineering for Industry 4.0”, February 2022.</p> <p>4. Kartik Rastogi, Shubham Panwar, Ayush Thakral, Dr. Meenakshi Gupta, ‘Review paper: Traffic Light Control System’, Paper presented in International Conference on Robotics, Automation & Communication Engineering for Industry 4.0”, February 2022</p>
<p>2020:</p> <p>1. Meenakshi Gupta, Dr. V.K Sharma, ‘Design the mathematical analysis & circuit of data converters’, Published & presented in International Conference “ISMAC-CVP 2020”, St. Mother Theresa Engineering College, Tamil Nadu, India, 29 to 30 Oct. 2020. Published in Elsevier SSRN library.</p>
<p>2019:</p> <p>1. Meenakshi Gupta, Dr. V.K Sharma, “Design and Simulate the Modified Circuits of Switched Capacitor Filter using mentor graphics tool”, presented & published in RDCAPE 2019. October 2019.</p> <p>2. Meenakshi Gupta, Dr. V. K Sharma & Bhanu Pratap Chaudhary, “Design an Operational Amplifier as a building block of Analog to Digital converter in 350 nm technology”, paper published in ESCI Indexed Journal of Taylor And Francis through International Conference of data sciences, security and applications 2019, March 2019.</p> <p>3. Meenakshi Gupta, Shreya Gupta, Ravi Kumar, Vansh tara, “Comparative design and simulation of different architectures of differential amplifier using EDA tool”published in Indiacom-2019, March 2019.</p>
<p>2013:</p> <p>1. Meenkshi Gupta & Nitika, “Study of different method and issues in wireless networks”, NCACT 2013, national Conference MDU, Rohtak, haryana, India, 30th March 2013.</p>
<p>2010:</p> <p>1. Meenakshi Gupta, “Design a switched capacitor filter sub circuits using 0.35 um micron AMS Technology”, International conference ICMEE-2010, IEEE Catalog Number: CFP1016K-PRT- ISBN: 978-1-4244-7480-6, Kyoto, Japan, volume 1, Page-6 , August 1-3, 2010.</p> <p>2. Meenakshi Gupta & Tushar Chugh, “Vector 2703: An autonomous ground vehicle”, International conference ICMEE-2010, IEEE Catalog Number: CFP1016K-PRT- ISBN: 978-1-4244-7480-6, Kyoto, Japan, volume 2, Page-356, August 1-3, 2010.</p> <p>3. Meenakshi Gupta & Sanjana Malhotra, “Comparison of Security Issues in Wireless Network”, International Conference ICSTE 2010, IEEE catalog number CFP1030LPRT- ISBN: 978-1-42448665-6, San Juan, Puerto Rico, USA, Volume 2,P-130, October 3-5, 2010.</p> <p>4. Meenakshi Gupta, Sanjana Malhotra & Shefali Chopra, “CVD grown single walled carbon nanotubes (SWNTs) in organic solvents”, International conference ICM2ST- 10 on Methods and Models in Science and Technology, Chandigarh, India. ISBN 978-0-7354-0879-1, One Volume, P- 394-398, 25-26, Dcember 2010.</p>

5. **Meenakshi Gupta & Vipin Chauhan, “Design a switched capacitor filters using 0.35um technology”**, Convener 2KX national Conference on Electronics & Communication, Jagadhri, Haryana, India, 19 - 20 February 2010.
6. **Meenakshi Gupta & Vipin Chauhan, “Heralding a new future: NANOTECHNOLOGY”**, ETCSIT-2010 national conference on Electronics & communication Faridabad, India, 24 April 2010.
7. **Meenakshi Gupta, “Two Stage And Folded Cascode Operational Amplifier’** NCEDCT-2010 national conference on Electronics & communication, Kaithal, Haryana, 14 – 15 May 2010.

2009:

1. **Meenakshi Gupta, “High Resolution Cyclic ADC using 0.35um AMS Technology”**, ASTEC-2009 national Conference on Electronics & Communication Faridabad, haryana, India, 03 - 04 Feb 2009
2. **Meenakshi Gupta, “Carbon Nanotubes in Organic Solvents”**, ICIT-2009 International Conference on Electronics & Communication BhadurGarh, Haryana, India, 03 - 04 June 2009.

+ Book/Chapter Publications:

[1] Book published on “ VLSI Design” in Manav Rachna Publication, Jan 2012.

+ Administrative Responsibilities:

Board of discipline Member, Member of library advisory committee, Admission committee associate head, convocation team member, Member Department core team for NAAC accreditation work, Department Exam Coordinator, Conference organizer, ISR Coordinator (OPB-Kedman)