

Neelesh Mehra

7/7/2021

Samrat Ashok Technological Institute Vidisha (M.P)

Department Of Electronics and Communication Engineering
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OBJECTIVE

Assistant Professor and Researcher with 15+ teaching experience at Samrat Ashok Technological Institute. Eager to provide cutting-edge research with high ethical standards and commitment in the area of 5G communication technologies preferably in cooperative communication, Energy harvesting and their probable application in disaster management .

EDUCATION

Ph.D. (Electronics and Communication) M.A.N.I.T Bhopal 2016

M.Tech.(Digital Communication) M.A.N.I.T Bhopal 2007

EXPERIENCE

Assistant Professor (AGP 8000) | **Samrat Ashok Technological Institute Vidisha**
24/02/2002–Till Now

SPONSORED PROJECT

TITLE	Funding Agency	Amount	Status	ROLE
Design of Novel Strategies to improve the performance of Next Generation Cellular Networks	NPIU (MHRD)TEQIP Collaborative Research Scheme	18 Lacs (approx.)	Completed	CO-PI
KEY FINDINGS	Designed a theoretical framework with different strategies such as Diversity combining technique, NOMA etc. for improving quality of service in cellular network.			

MEMBERSHIP OF PROFESSIONAL ORGANIZATION

Organization Name	Membership Type	Membership Number
ACM	Senior Member	5867012
IET(UK)	Associate Member	1100298599
ISTE	Life Member	LM79280
IAEngg.	Member	

PUBLICATIONS

Journals / Book Chapter Publications

1. M. Mishra, N. Mehra et al. "mmWave-Based 5G and Beyond Cellular Networks" M. Mandloi et al. (eds.), 5G and Beyond Wireless Systems, **Springer Series** in Wireless Technology, pp 129-153, doi.org/10.1007/978-981-15-6390-4_7
2. A. Mehto & N. Mehra, "Adaptive lossless medical image watermarking algorithm based on DCT and DWT," **Procedia Of Computer Science(Elsevier)** vol 78 2016, pp 88-94
3. N. Mehra & M. Shandilya, "Imprecise reversible visible watermarking", **CSI Transaction On ICT (Springer)**, vol.1, no.4, pp. 355-365, Dec., 2013. Doi: 10.1007/s40012-013-0031-3
4. N. Mehra & M. Shandilya, "Imprecise Reversible Dual Watermarking Scheme", **Journal Of Advances In Information Technology(Academy Press/ Engineering and Technology publishing)**, Vol. 4, no.4, pp. 166-171, Nov., 2013,. Doi:10.4304/Jait.4.4.166-171
5. N. Mehra & M. Shandilya, "Pseudonymous Privacy Preserving Buyer-Seller Watermarking Protocol", **International Journal of Computer Science Issues(Elsevier Indexed)**, Vol. 8, Issue 6, No 3, November 2011(Impact factor 0.25)
6. A. Mehto & Neelesh Mehra, "Techniques of Digital Image Watermarking: A Review," **International Journal of Computer Application**, Vol. 128, issue 9, Oct. 2015 pp 21-33.
7. S. Kesharwani and N. Mehra "Multimodal Biometric Image Security using Steganography and Watermarking", **International Journal for Scientific Research & Development**, Vol. 5, Issue 10, 2017 | ISSN (online): 2321-0613
8. A. Thakur & N. Mehra, "A Method for Extraction of Text from Image file and Number Plate of Vehicle" **Journal of Advances and Scholarly Researches in Allied Education [JASRAE]**, Vol:15 Issue:11, Nov.

2018, pp 149-155 DOI: 10.29070/JASRAE

9. R. Tiwari & N. Mehra, "Hybrid Energy Efficient Scheme For Wireless Sensor Networks", **International Journal of Emerging Technologies and Innovative Research** (www.jetir.org), ISSN:2349-5162, Vol.7, Issue 2, page no.527-532, February 2020
10. P Chouksay & N. Mehra " Performance Evaluation of some basic cooperative communication protocol for wireless networks" **International Journal of Emerging Technologies and Innovative Research** (www.jetir.org),ISSN:2349-5162,Volumelssue5May-2021

Conference/ Workshop Publications

11. S. Pachori, N. Mehra, M Shandilya ; "Attacks Resistant Hybrid Watermarking Scheme," **Fourth IEEE International Conference On Computing, Communications And Networking Technologies (ICCCNT)**,2013, pp.1-5, jul., 2013 Doi: 10.1109/Iccnt.2013.6726779
12. N. Mehra & M. Shandilya, " Dual Watermarking scheme for secure Buyer –Seller Watermarking protocol," **Proc. SPIE 8334, Fourth International Conference on Digital Image Processing (ICDIP 2012)**, 83342U (May 1, 2012); doi:10.1117/12.956459
13. N. Mehra & M. Shandilya, "DCT based insertion and extraction of visible watermark in color images," **IEEE International Conference On Advance Computing And Communication Technology For High Performance Application** ,Angamaly Kerala, 24-26 sept. 2008.
14. N. Mehra et al. , "DCT based adaptive visible watermarking scheme", **IETE Sponsored National Conference On Communication System And Networking**, Jaypee Institute, Guna, 15-16 March 2008.
15. N. Mehra & M. Shandilya, " Visible Watermarking scheme for still image and multimedia data," **IEEE National Conference On Communication & Signal Processing** , Mumbai 12-13 April 2007.
16. N. Mishra & N. Mehra, "A review of Data hiding in Digital Image", **National Workshop on RTMA-2007**,Ujjain,16-17April2007.

WORKSHOP ORGANIZED

1. One week faculty development program on "Advance Communication System And Technologies Using Netsim", held on 04th November, 2019 at SATI, Vidisha.