Dr. Sanjit Ningthoujam

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EDUCATION

Qualification	Institute/ University	Year	Class
Ph. D.(Error Control in Wireless Networks)	NIT Arunachal Pradesh	2020	-
M. Tech. (Mobile Communication & Computing)	NIT Arunachal Pradesh	2015	First Class
B. Tech. (CSE)	NERIST	2012	First Class

ACADEMIC PROJECTS:

- **Ph. D. thesis title:** The Performance of Multipath ARQ Protocols to Achieve Higher Throughput in a Wireless Networks and Molecular Communication.

- **M. Tech. thesis title:** Investigation of Packet Combining and Aggressive Packet Combining Schemes to get higher Throughput and Wide Flexibility.

- **B. Tech. thesis title:** Study of throughput in a wireless network with and without coding using MATLAB.

TEACHING EXPERIENCE

- Total Experience after PhD: 2 years 10 months

Institute	Designation	From	To
IIIT Una	Assistant Professor	June 2022	Till Date
VIT-AP University	Assistant Professor Senior Grade 1	December 2019	May 2022

PUBLICATIONS

- **SCI/SCOPUS Journals**

  1. **Sanjit Ningthoujam**, Tekcham Chingkheinganba, Swarnendu K. Chakraborty. "Finding an Effective Distance between T-cell and B-cell using S/W ARQ in an Immune System Communication."China Communications,IEEE,17 (1), 174-185,2020.

  2. **Sanjit Ningthoujam**, Swarnendu K. Chakraborty. "A Combined Techniques of PC+ MPC+APC to Achieve Higher Error Correction Probability and Throughput over APC and MPC Techniques." Wireless Personal Communication, 111(4),2137-2153,2020.

3. **Sanjit Ningthoujam**, Swarnendu Kumar Chakraborty. "Implementing Single Path and Multipath Techniques Under Feedback Channel for Molecular Communication." Wireless Personal Communication, 120, 3315–3328,2021.

4. **Sanjit Ningthoujam**, Swarnendu K. Chakraborty, et.al. "Hybrid Protocol for Molecular Communication in Three States Markov Mode." Journal of Engineering Technology,6 (1),113-123,ISSN:0747-9964,2017.

5. **Sanjit Ningthoujam**, Swarnendu K Chakraborty, et.al.," PC-APC Schemes in Multipath Diversity System to Get Higher Throughput." International Journal of Electrical and Computer Engineering,7(1),337-343, ISSN: 2088-8708,2017.

6. **Sanjit Ningthoujam**, Swarnendu K Chakraborty." Performance of Multipath ARQ Protocol for Molecular Communication." Journal ofAdvance Research Dynamical in Control Systems,Issue: 17-Special,1748-1756,2017.

7. **Sanjit Ningthoujam**, Swarnendu K. Chakraborty."Analysis of the adaptive three-modes for PC+MPC+APC techniques using retransmission cycle mechanism."Journal of High Speed Networks, IOS press,25 (2),205-220,2019.

8. **Sanjit Ningthoujam**, Swarnendu K. Chakraborty. "A Combined Technique of SC + MPC + APC to Achieve Higher Error Correction Probability and Throughput Over APC and MPC Techniques in a Wireless Network." The Institute of Engineers (India),Series B, Springer,101(2),107-116,2020.

- **Conference Publications**

  1. **Sanjit Ningthoujam**, Swarnendu K Chakraborty, Chandan T Bhunia. "New Protocol for Aggressive Packet Combining in Gilbert Two State Model Using Back Up Routes to Achieve Higher Throughput." Proc. ICARCSET-2015, ACM, ICPS, March, 6th - 7th 2015, Eluru, Andhra Pradesh, India.

  2. **Sanjit Ningthoujam**, Swarnendu K Chakraborty, Chandan T Bhunia. "New Basic Scheme of Packet Combining to Achieve Fast Error Correction and Higher Throughput." Proc. International Conference of Computing and Communication Systems, 2015, (I3CS'15), 9th – 10th April, NEHU, Shillong, India.

  3. Sathwik Kothapalli, **Sanjit Ningthoujam**, Somya Ranjan Sahoo, Rai Kumar Batchu, Swarnendu K Chakraborthy. "Extended Packet Combining Schemes for Error Control in Wireless Networks." 2nd International Conference on Artificial Intelligence and Signal Processing (AISP) 2022).

- **Book Chapters**

  1. Somya Ranjan Sahoo, Asish Kumar Dalai, **Sanjit Ningthoujam**, Saroj Kumar Panigrahy. "Image-Based Spammer Analysis Using Suitable Features Selection by Genetic Algorithm in OSNs", Advances in Data Computing, Communication and Security (2022).

  2. **Sanjit Ningthoujam**, Swarnendu K Chakraborty. "A Hybrid Protocol for Stop and Wait ARQ in Markov Two States Model." Electronic Systems and Intelligent Computing, 2020.
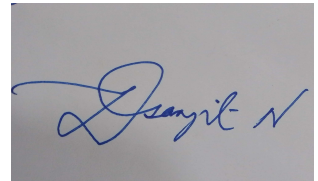
FIELDS OF INTEREST

- Error Control in Wireless Networks.

- Graph Theory.

- Internet of Bio-Nano Things (IoBNTs).

- Molecular Communication.

OTHER ACHIEVEMENTS

- Acting as a reviewer in various reputed Journals and Conferences.

- Qualified GATE-2012, GATE-2014.

Sanjit Ningthoujam

*Last updated on 8-02-2023.