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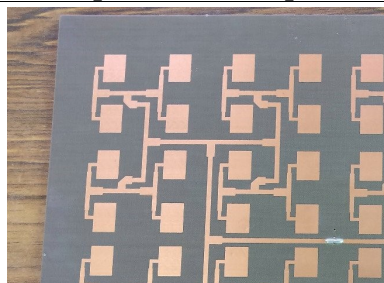


Research Interests

- Microwave Remote Sensing
- Active and Passive Remote Sensing
- Weather Radar
- Microwave Radiometer

Brief Summary of Research

Development of radar at X-band for precipitation measurement and estimation, various radiometer and radar products estimation techniques and algorithm development, water pollution determination using microwave techniques.



Microstrip array antenna
for X-band radar



Part of receiver section of
radar



RF test facility

Projects

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Recent Publications

- **Sahoo, S., K. V. Mishra and S. Sharif, "Robust beamforming for X-band phased array weather radar," *Proceedings of APRASC 2019*, March 2019.**
- **Mathew N., Swaroop Sahoo, Suresh Raju Chellappan Pillai, Kalyan Bhattacharyya, "Design of Millimeter-wave Radiometer for Measuring Water Vapour in Venus Atmosphere," *Proceedings of APRASC 2019*, March 2019.**