



Dr. D. Chakradhar

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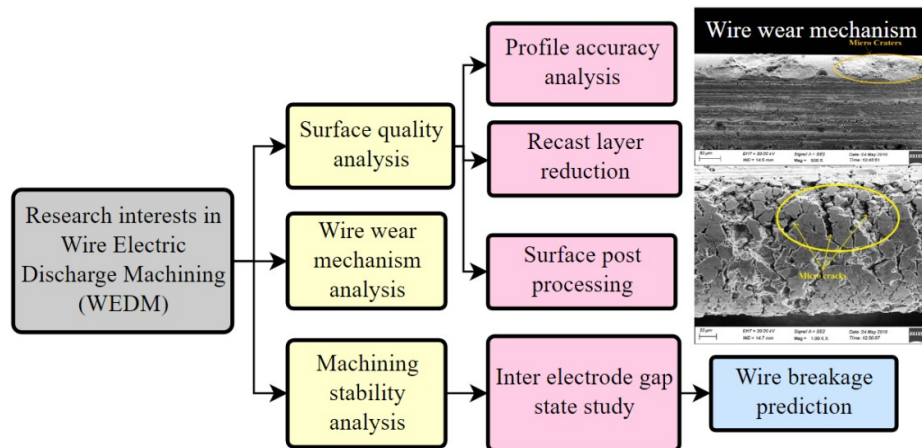
Research Interests

- Machinability studies of difficult to cut materials
- Non Traditional machining

Brief Summary of Research

Chakradhar is current doing research for improving the performance of wire electric discharge machining. He is also working in the areas of cryogenic machining. He has published 50 papers in reputed international journals and conference proceedings. He had successfully supervised and graduated three PhD students from NITK Surathkal, India. He is currently guiding five more scholars for their doctoral work.

Research glimpse on Wire electric discharge machining



Projects

Performance evaluation of a cryogenic coolant through a modified tool holder in machining of Inconel 625 alloy (Early Career Research Award); Budget: Rs. 14,83,160

Funding agency: Science and Engineering Research Board, Govt. of India.

Recent Publications

1. Varghese V, Ramesh M R, **Chakradhar D**, "Influence of deep cryogenic treatment on performance of cemented carbide (WC-Co) inserts during dry end milling of maraging steel" *Journal of Manufacturing Processes*, 2019, Vol. 37, pp 242-250.
2. Sivaiah P, **Chakradhar D**, "Modeling and optimization of sustainable manufacturing process in machining of 17-4 PH stainless steel" *Measurement*, 2019, Vol. 134, pp 142 – 152.
3. Vinay Varghese, M R Ramesh, **D. Chakradhar**, "Experimental investigation and optimization of machining parameters for sustainable machining" *Materials and Manufacturing Processes*, 2018, Vol. 33, Issue 16, pp 1782-192.