

Profile Page



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M.Tech. Manufacturing Systems Engineering (Punjab Technical University)
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Research Interests :

Welding, Metallurgy, Tribology, optimization

Journal Publications :

Year	Journal	Publication
2019	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	Sharma, V., Shahi, A., & Kumar, S., Influence of different filler weld wire chemistries on metallurgical and mechanical behavior of ultrahigh strength steel welded joints
2018	Journal of Materials Processing and Technology, 253, 2-16	Varun Sharma and A.S. Shahi, Quenched and tempered steel welded with micro-alloyed based ferritic fillers.
2017	Journal on Design & Manufacturing Technologies, 11, 20-26	Bhuvnesh Bhardwaj and Varun Sharma, Optimization of CO2 laser cutting parameters for minimum kerf width during the cutting of AISI 304L steel.
2014	Materials and design, 53, 727-736	Varun sharma and A.S. Shahi, Effect of groove design on mechanical and metallurgical properties of quenched and tempered low alloy abrasion resistant steel welded joints.

Conference Publications :

Year	Conference	Publication
2019	6th International Conference on Production & Industrial Engineering (CPIE)	Shailendra Bhadauria, Varun Sharma and Ajay Gupta, Investigating The Mechanical Properties And Pitting Potential Of Heat Treated AISI 4340 Steel In Various Corrosive Environment

2019	6th International Conference on Production & Industrial Engineering (CPIE)	Himanshu Bisht, Ravi Pratap Singh and Varun Sharma, Study Of Impact Strength In TIG Welding Of INCOLOY-800 Super Alloy: An Experimental Investigation And Optimization
2019	6th International Conference on Production & Industrial Engineering (CPIE)	Bhuvnesh Bhardwaj, Varun Sharma, Subodh Kumar and Suneel Dut, Multi Response Optimization Of EDM Machining Parameters Using Taguchi Methodology With Grey Relational Analysis
2019	6th International Conference on Production & Industrial Engineering (CPIE)	Subodh Kumar, Varun Sharma and Bhuvnesh Bhardwaj, Effect Of Welding Current On The Metallurgical And Corrosion Performance Of AISI 304 SS Cladding
2019	6th International Conference on Production & Industrial Engineering (CPIE)	Ranbir Singh Multani, Varun Sharma, Ajay Gupta and Jaswant Singh, Effect Of Welding Processes On The Mechanical Properties Of HARDOX 400 Steel Welded Joints
2019	6th International Conference on Production & Industrial Engineering (CPIE)	Ankit Thakur, Shailendra Bhadauria, Varun Sharma and Ajay Gupta, Effect of Cutting Parameters on MRR and Surface Roughness in Turning of AISI 1018 and AISI P20 using Taguchi Method
2018	ISME conference on Advances in Mechanical Engineering (Mechanical Systems and Sustainability)	Ankit Thakur, Om Prakash Verma, Afzal Sikander, Varun Sharma, Modeling of 3-Dimensional cutting force and cutter deflection in end milling for machining AISI 1045
2017	Proceedings International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET EITM-2017)	Varun Sharma, Bhuvnesh Bhardwaj & Subodh kumar, An Investigation on the Sliding Abrasive Wear Behaviour of Ultra High Strength Steel using RSM with Box-Cox Transformation
2017	Proceedings International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET EITM-2017)	Bhuvnesh Bhardwaj, Varun Sharma & Subodh kumar, Study of Wear Characteristics of AISI D3 Steel against AISI 1020 Steel
2016	4th international conference on advancements in engineering & technology (ICAET-2016)	Varun Sharma, Subodh Kumar and A.S. Shahi, Sliding wear analysis of ultra high strength steel using full factorial design approach.
2016	4th international conference on advancements in engineering & technology (ICAET-2016)	Subodh Kumar, Varun Sharma and A.S. Shahi, Carbide precipitation behavior of austenitic stainless steel welded joints.
2016	IVth international conference on production and industrial engineering (CPIE-2016)	Varun sharma and Bhuvnesh Bhardwaj, Experimental investigations on three-body abrasion wear behaviour of abrasion resistant steel.
2013	3rd international conference on production and industrial engineering (CPIE-2013)	Varun sharma and A.S. Shahi, Sliding wear modeling of quenched and tempered low alloy abrasion resistant steel.

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Brijesh kumar yadav	Investigating the effect of groove volume on the mechanical and metallurgical properties of quenched and tempered steel welds	Completed	2019	
Ankit Thakur	Friction stir welding	Ongoing	2018	Dr S S Bhadauria