



Dr.S.Selvakumar

Associate Professor, Department of
Mechanical Engineering,
Kongu Engineering College, Tamilnadu

Optimization
CAD
Fixture Design

GET MY OWN PROFILE

	All	Since 2015
Citations	108	91
h-index	4	4
i10-index	3	3

TITLE	CITED BY	YEAR
Optimisation of welding fixture layout for sheet metal components using DOE KM Arunraja, S Selvakumar, P Praveen International Journal of Productivity and Quality Management 28 (4), 522-558		2019
Optimization of constrained layer damping parameters in beam using taguchi method KSK Sasikumar, KP Arulshri, S Selvakumar Iranian Journal of Science and Technology, Transactions of Mechanical ...	4	2017
Optimal Fixture Design for Drilling of Elastomer using DOE and FEM S Selvakumar, KM Arunraja, P Praveen Journal of Advances in Mechanical Engineering and Science 2 (2), 1-19	3	2016
Study of the effect of composite constrained layers in vibration damping of plates KSK Sasikumar, S Selvakumar, KP Arulshri International Journal of Applied Mechanics and Engineering 19 (1), 203-209		2014
Machining fixture layout optimisation using genetic algorithm and artificial neural network S Selvakumar, KP Arulshri, KP Padmanaban International Journal of Manufacturing Research 8 (2), 171-195	17	2013
Design and optimization of machining fixture layout using ANN and DOE S Selvakumar, KP Arulshri, KP Padmanaban, KSK Sasikumar International Journal of Advanced Manufacturing Technology 65 (9-12), 1573 ...	57	2013
Mathematical approach for optimal machining fixture layout and clamping forces S Selvakumar, KP Arulshri, KP Padmanaban, KSK Sasikumar Australian Journal of Mechanical Engineering 10 (1), 17-28	5	2012
Numerical and experimental study of the Effect of Constraining Layer in controlling the vibration of beams attached with PCLD. KSK Sasikumar, KP Arulshri, S Selvakumar, NS Nandakumar Bulletin Of Applied Mechanics 7 (25)	3	2011
Clamping Force Optimization for Minimum Deformation of Workpiece by Dynamic Analysis of Workpiece-fixture System S Selvakumar, KP Arulshri, KP Padmanaban, KSK Sasikumar World Applied Sciences Journal 11 (7), 840-846	19	2010
Improvement of Product Quality through Optimum Fixture Design using DOE and FEM KM Arunraja, S Selvakumar, P Praveen		

TITLE	CITED BY	YEAR
Desing and Optimization of Optimal Fixture Layout for Drilling Operation KM Arunraja, S Selvakumar, R Muthukrishnan, P Muthukumaran, ...		
Design analysis and optimization of machining fixture layout using finite element method and nontraditional techniques S Selvakumar Chennai		