

# List of all Accepted Papers

## 1. Analysis and Synthesis of Mechanisms

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1	ASMD2	<sup>P</sup> Anand Vaz, <sup>P</sup> S.S.Dhami, <sup>P</sup> Sandesh Trivedi	Bond Graph Modeling and Simulation of Three phase PM BLDC Motor	1-6
2	ASMNP14	Pramanik, N, Naskar, T. K	Synthesis of Kinematics Chains with and without Clearance using GA	7-14
3	ASMAM15	Abhijit Mahapatra, Avik Chatterjee	Analysis of dynamic response of the Implement lift in the low horsepower mini tractor	15-21
4	ASMTB18	T.K. Bera, A.K. Samantaray, R. Karmakar	Bond Graph Modeling of Planar Prismatic Members	22-26
5	ASMSH19	Sudarshan Hegde, G. K. Ananthasuresh	Design of Compliant Mechanisms for Practical Applications using Selection Maps	27-36
6	ASMSD20	Sangamesh R. Deepak, G. K. Ananthasuresh	Static balancing of Spring-loaded Planar Revolute-joint Linkages without Auxiliary Links	37-44
7	ASMP19	Padmanabh Limaye, G. Ramu, Sindhuja Pamulapati, G. K. Ananthasuresh	<i>A Compliant Mechanism Kit</i> with Flexible Beams and Connectors	45-53
8	ASMBV20	B.M. Vinod Kumar, Deepthi K. Badige, Sudarshan Hegde, G. K. Ananthasuresh	An Improved Compact Compliant Mechanism for an External Pipe-Crawler	54-61
9	ASMG18	G. Mallesh, Dr. V B Math, Ashwaj, Prabodh Sai Dutt R, Rajendra Shanbhag	Effect of Tooth Profile Modification In Asymmetric Spur Gear Tooth Bending Stress By Finite Element Analysis	62-67
10	ASMAP19	Ashvinikumar Patil, Dibakar Sen	Haptics Aided Kinematic Assembly Modeling and Efficient Determination of joint Ranges of Motion	68-75
11	ASMRD21	Rashmi Ranjan Das, Brajabandhu Pradhan	Onset and Growth of Adhesion Failures in Adhesively Bonded Tubular Socket joints in Laminated FRP Composites	76-83
12	ASMCK24	Chetan Kothalkar, T. Wankar, R. S. Wankar	Analysis Of Short Distance Gravity Actuated Oscillatory Trolley Conveyor (G.A.O.T.C.)	84-91

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17	ASMG23	G. Mallesh, Dr. V B Math, Ravitej, Krishna Prasad Bhat P, Paramesh Kumar M K	Effect of Rim Thickness on Symmetric and Asymmetric Spur Gear Tooth Bending Stress	113-118
18	ASMRL28	Rajeev Lochana C.G	Spatial R-C-C-R Mechanism for a Single DOF Gripper	119-123
19	ASMS29	Shameek Ganguly, Akash Garg, Akshay Pasricha, S.K. Dwivedy	Design and Fabrication of a Novel Three Wheel Robot with a SLE Based Lifting Mechanism and Line Tracking Capability	124-131
20	ASMPS30	Manik Goomer, Pankaj Singh, Dr. S K Dwivedy	Design and Control of Biped Robot	132-138
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22	ASMBM31	B. C. Majumdar, N. C. Murmu	On Simplified Solutions in Tribological Design of Machine Components	146-150

## 2. Robotics

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