



## Volume 2, Issue 8, August 2011

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By IJSER Editorial Board

IJSER is proud to announce the publication of the Second volume and Issue 8 for the year 2011 of the International Journal of Science & Engineering Research. This Journal provides a glimpse into a few of the many high quality research activities conducted by the talented researchers around the world. The Journal is a compilation of outstanding papers from numerous disciplines submitted by students, researchers and scientists who have been involved in research, scholarly, and creative activities. The papers are through with an enhanced skill set, including better problem solutions, critical thinking, and team-working skills. Since many researchers who are highly qualified in their region, support of academic and research has a direct and positive impact on the upcoming researchers. We would like to express our sincere thanks to all those scientists for choosing IJSER from the first volume of the Journal since year 2010 and making it to 2011 now. We would like to especially thank the editorial members of the IJSER team for their constant support over past 1 year and also a welcome to the new members joining the team. Many thanks to the paper review committee for their constant support in timely reviewing the papers to the best of their expertise knowledge. The support from prominent regional businesses and organizations is greatly appreciated and essential for the advancement of research and journal wellbeing. There is a wide range of paper submission all the way from technology to social science titles like “*Applications of Robotics in Medicine*” by Paduri Veerabhadram Robots in medicine deserve enhanced attention, being a field where their instrumental aids enable exacting options. The availability of oriented effectors, capable to get into the human body with no or negligible impact, is challenge, evolving while micro-mechanics aims at nanotechnology. The survey addresses sets of known achievements, singling out noteworthy autonomous in body devices, either co-robotic surgical aids, in view of recognizing shared benefits or hindrances, to explore how to conceive effective tools, tailored to answer given demands, while remaining within established technologies. The extended deep technical titles like “*Effect of turbulence on the performance of an inverted three- lobe Pressure dam bearing*” by N. K. Batra, Gian

Bhushan and N. P. Mehta covering the effect of turbulence on the performance of an inverted three- lobe pressure dam bearing which is produced by incorporating a pressure dam in the upper lobe and two relief tracks in the lower two lobes of an ordinary inverted three-lobe bearing. For analysis purpose different values (0, 1500, 3000, and 6000) of Reynolds number are considered to study the effect of turbulence. The results shows that for an inverted three lobe bearing supporting rigid or flexible rotors, the zone of infinite stability as well as minimum threshold speed increases with increase in turbulence, thus indicating better stability at higher turbulence level..

To learn more, please visit <http://www.ijser.org/> We would like to thank all the contributing authors for providing such a rich variety of outstanding research articles on a broad range of exciting topics. We also would like to thank Graphic Designer and web administration for designing the outstanding coverage and web maintenance of this volume of the Journal.

If you have any questions or comments about the Journal, or would like to receive a printed copy of the most recent volume of the Journal, please contact the Editor board from <http://www.ijser.org/contact-us.aspx>. The Journal is available online, please visit the following website: <http://www.ijser.org/>.

Enjoy!

The Editorial Board