

LIST OF PROVISIONALLY ACCEPTED PAPERS FOR NSRD-2003

1. K. Ramakrishna and M. Ghosh, "*High vibration problem due to instability in high speed centrifugal compressors - Case Study*". Organization: BHEL. (**Paper no.: NSRD-2003_CP_01**).
2. R. Pai, "*Analysis of fluid film lubrication problems using computational fluid dynamics*". Organization: MIT, Manipal. (**Paper no.: NSRD-2003_CP_02**).
3. M. Kaushik, "*Methods to reduce rotating shaft failures*". St. Margaret Engg. College Neemrana Alwar , Rajasthan. (**Paper no.: NSRD-2003_CP_06**).
4. M. R. Rao and J. P. Dash, "*Detection of high vibration problem in a gear drive by vibration analysis technique*". Organization: Visakhapatnam Steel Plant. (**Paper no.: NSRD-2003_CP_07**).
5. M. R. Rao and J. P. Dash, "*A case study on repair of generator rotor 'end bells' for a gas expansion turbine*". Organization: Visakhapatnam Steel Plant. (**Paper no.: NSRD-2003_CP_08**).
6. S.Sarkar and K.T. Rao, "*Analysis of high vibration in a feed air compressor and solving that through balancing taking clue from radial run out*". Organization: Visakhapatnam Steel Plant. (**Paper no.: NSRD-2003_CP_09**).
7. J. Mahanata* and R. Tiwari, "*Estimation of linear and non-linear coefficients of rolling element bearings*". Organization*: TCS, Mumbai. (**Paper no.: NSRD-2003_CP_10**).
8. S.K. Singh, "*Condition Monitoring of Screw Compressors in Refrigeration System*". Organisation: IPCL, Vadodara. (**Paper no.: NSRD-2003_CP_11**).
9. S.K. Singh, "*Proactive Maintenance of AC Induction Electrical Motors for Mechanical Problems*". Organisation: IPCL, Vadodara. (**Paper no.: NSRD-2003_CP_12**).
10. V. Arunkumar and Soumendu Jana, "*Experimental Studies Related to the use of High Temperature Elastomers as External Damper for Rotating Systems*". Organisation: NAL, Bangalore. (**Paper no.: NSRD-2003_CP_13**).
11. S. Asok kumar*, M. Thirumalai, V.Prakash and R.Prabhakar, "*Rotor dynamic studies for large vertical pump*". Organization*: Indira Gandhi Centre for Atomic Research, Kalpakkam. (**Paper no.: NSRD-2003_CP_14**).
12. S. B. Nayak* and C. Padmanabhan, "*Packeted Steam Turbine Bladed Disc Dynamic Analysis*". Organization*: TCS, Bangalore. (**Paper no.: NSRD-2003_CP_15**).
13. K. Ramesh* and C. Padmanabhan, "*Dynamic Analysis of Turbine Bladed-Disc using Cyclic Symmetry*". Organization*: TCS, Chennai. (**Paper no.: NSRD-2003_CP_16**).
14. S. A. Khan and A. A. Khan, "*Polynomial Type of Stiffness Parameter Estimation Using Volterra and Wiener Series*". Organisation: Z.H. College of Engg. & Tech., AMU, Aligarh. (**Paper no.: NSRD-2003_CP_17**).
15. N. Tandon and A. Parey, "*Fault Detection of Epicyclic Gearbox Using Wavelet Analysis*". Organization: ITMMEC, IIT Delhi. (**Paper no.: NSRD-2003_CP_18**).
16. N. Lakshmanan and R.Thirumurugan, "*Rotor Dynamic Analysis on Multi-Stage Submersible Pump*". Organization: Dr. Mahalingam College of Engineering & Technology-Pollachi. (**Paper no.: NSRD-2003_CP_19**).
17. B. Cherian and R.K.L Narayanan, "*Fault diagnosis & repair of a LD Gas Booster through Predictive maintenance technique*". Organization: Visakhapatnam Steel Plant. (**Paper no.: NSRD-2003_CP_20**).

18. S. Madhavan, R.K. Giridhar, S.G. Barad, T.N. Suresh, “*Vibration Induced by Rubs and Bearing Clearances of Aero Gas Turbine – Case Histories*”. Organization: GTRE, Bangalore. **(Paper no.: NSRD-2003_CP_21)**.
19. R. Kumar, D. P. Jena, N. Kumar, and R. Kumar, “*Application of Acoustics and Wavelet Transform in Determination Of Operating Frequency and Diagnosis of Fault in Rotary Machine*”. Organization: Sant Longowal Institute of Engineering and Technology, Longowal. **(Paper no.: NSRD-2003_CP_22)**.
20. M. Mandal, A. Mishra and T. Thivagar, “*Estimation of Bearing Dynamic Parameters in Rotor Bearing Systems*”. Organization: IIT Guwahati. **(Paper no.: NSRD-2003_CP_23)**.
21. J.S. Rao and B.H. Babu, “*Dynamic Balancing of Rotors*”. Organization: IIT Guwahati. **(Paper no.: NSRD-2003_CP_24)**.
22. T. S. Aravindhana and K. Gupta, “*Application of Magnetorheological Fluid Dampers to Rotor Vibration Control*”. Organization: IIT Delhi. **(Paper no.: NSRD-2003_CP_25)**.
23. V. R. Koushik and R.K. Ramanathan, “*Dynamic Analysis Of Combat Aircraft Wing Using Finesse*”. ADA, Bangalore. **(Paper no.: NSRD-2003_CP_26)**.
24. S. P. Harsha, R. Prakash and K. Sandeep, “*Nonlinear Dynamic Analysis of Complex Rotor Bearing System*”, BITS, Pillani. **(Paper no.: NSRD-2003_CP_27)**.
25. M. Kalita and S K Kakoty, “*Analysis of Synchronous and Sub-synchronous Whirl of Rotor with Timoshenko Beam Element Mounted on Circular or Non-circular Fluid-film Bearings*”, IIT Guwahati. **(Paper no.: NSRD-2003_CP_28)**.
26. N.V.Srinivasulu, “*Torsional Vibrations and Stability of Lengthy Thin Walled Open Section Beams on Elastic Foundation*”. Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad **(Paper no.: NSRD-2003_CP_29)**.
27. J.K. Dutt and S.K. Nandi, “*Stability Improvement of Rotor Shaft System on Lightly Loaded Fluid Film Bearings*”. IIT Kharagpur **(Paper no.: NSRD-2003_CP_30)**.
28. K. Pradeep, P..P.George, S.R. Dhandapani and D. S. D. Dev, “*Rotor dynamic study on high speed rocket engine turbo pumps*”, ISRO Trivendrum, **(Paper no.: NSRD-2003_CP_31)**.
29. S. Mukherjee, P. Bhattacharya and S. Viswanath, “*Whirl Flutter Analysis of Pusher Type Propeller-Nacelle System of SARAS using a 2-DOF Model*”, NAL Bangalore **(Paper no.: NSRD-2003_CP_32)**.
30. N. Dharmaraju, R. Tiwari and S. Talukdar, “*Identification Of An Open Crack Model Parameters In a Cracked Beams*”, IIT Guwahati **(Paper no.: NSRD-2003_CP_33)**.