

## RESUME

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Experience : Industry : 6 Academic :14  
Specialization : Turbomachinery / CFD  
Research Area : Unsteady Aerodynamics and Aeroelasticity of Turbomachines / Computational Fluid Dynamics



### Publications:

1. Vasanthakumar, P., Tsering J. and Suddunuri, S.S., "Design, Fabrication and Analysis of an Electric Ducted Fan", ASME GTINDIA2019-2620, Proceedings of the ASME Gas Turbine India Conference, Dec, 2019
2. Vasanthakumar, P., and Ebel, P., "Forced Response Analysis of a Transonic Fan," ASME Paper GT2012-69867, ASME TurboExpo, Copenhagen, June 2012
3. Vasanthakumar, P., "Computation of Aerodynamic Damping for Flutter Analysis of a Transonic Fan," ASME Paper GT2011-46597, ASME Turbo Expo, Vancouver, June 2011.
4. Vasanthakumar, P., and Belz, J., "Aeroelastic Analysis of a Contra-Rotating Fan for a High Bypass Ratio Engine," Proceedings of CEAS 2009, Manchester, Oct. 2009
5. Chen, T., Vasanthakumar, P., and He, L., "Analysis of Unsteady Blade Row Interaction Using Nonlinear Harmonic Approach," *AIAA Journal of Propulsion and Power*, Vol. 17, No. 3, 2001, pp 651-658.
6. Vasanthakumar, P., Chen, T., and He, L., "Three Dimensional Viscous Computation of Blade Flutter and Forced Response Using Nonlinear Harmonic Approach," *Proceedings of the ISUAAAT 2000 – 9<sup>th</sup> International Symposium on Unsteady Aerodynamics, Aeroacoustics and Aeroelasticity of Turbomachines*, Lyon, France, Sept. 2000
7. Chen, T., Vasanthakumar, P., and He, L., "Analysis of Unsteady Blade Row Interaction Using Nonlinear Harmonic Approach," ASME Paper 2000-GT-0431, ASME Turbo Expo, Munich, May 2000.

Conference attended: 9