

PRINCIPAL PUBLICATIONS

1. **M. M. ElMadany, B. A. Al Bassam and A. A. Fayed**, "Preview Control of Slow-active Suspension Systems," *Journal of Vibration and Control*, UK, 2010, 17(2), 245-258.
2. **Foda, M. A., and Albassam, B. A.**, "Vibration Confinement in a General Beam Structure During Harmonic Excitations," *Journal of Sound and Vibration*, UK, 2006, Vol. 295, pp. 491-517.
3. **ElMadany, M.M., and Albassam, B.**, "Mechanical Engineering Curriculum Development for Qassim University, ICEE2006, International Conference on Engineering Education, March 2006, Qassim University, Qassim.
4. **Albassam, B.**, "Time-Optimal Control Design For Flexible Structures With One Rigid-Body Mode and Two Flexible Modes Using Multiple Inputs," *Dirasat Journal*, Jordan, 2004, Vol. 31, Issue 1, pp. 97-117.
5. **Albassam, B.**, "Robust Linear and Nonlinear Time-Optimal Control Design Using Multiple Inputs," *Engineering Journal of the University of Qatar*, Qatar, 2004, Vol. 17, pp. 139-162.
6. **Albassam, B.**, "Fast Maneuver Control Design For Flexible Structures Using Concentrated Masses," *Journal of Sound and Vibration*, UK, Accepted 8/5/2003.
7. **Albassam, B.**, "Optimal Near-Minimum-Time Control Design for Flexible Structures," *Journal of Guidance, Control, and Dynamics*, USA, 2002, Vol. 25, No. 4, pp. 618-625.
8. **Albassam, B.**, "Near Minimum-Time Control Design For Flexible Structures," *AIAA Guidance, Navigation, and Control Conference & Exhibit*, Denver, Colorado, USA, 2000.
9. **Albassam, B.**, "Numerical Technique For Solving Time- And Robust Time-Optimal Control Problems," *AIAA Guidance, Navigation, and Control Conference & Exhibit*, Denver, Colorado, USA, 2000.
10. **Albassam, B., Mook, D. J., and Singh, T.**, "Simultaneous Control of Orbit and Attitude Maneuvers for the GRO Satellite," *Advances in the Astronautical Sciences*, USA, 1997, Vol. 97.
11. **Albassam, B., and Mook, D. J.**, "Feedback Time-Optimal Control Synthesis For Flexible Structures With Damping," *Advances in the Astronautical Sciences*, USA, 1997, Vol. 95.
12. **Albassam, B., and Mook, D. J.**, "Feedback Time-Optimal Control Synthesis for Flexible-Link Manipulators," *The 1997 International Conference on Mobile Planetary Robots and Rover Roundup*, USA, 1997.

