

PUBLICATION LIST (PARTIAL)

BRIAN PRASAD

Journal Publications Books Editors/Journals Thesis
Conference Papers, NASA & US Government Reports

NASA, U.S. Government, & GM Reports:

1. DFP Preliminary System Architecture - Technical Requirements Document 6-16-89, Rev. 1.1/ TSD Report # DFP-001, EDS/GM, Michigan, USA.
2. DFP Phase II: Plan for Feasibility Study 6/16/89, Rev. 1.1/ TSD Report # DFP-002, EDS/GM, Michigan, USA.
3. Plan for DFP Prototype DFP-III 7/14/89, Rev. 1.1/TSD Report # DFP-003, EDS/GM, Michigan, USA.
4. Preliminary Investigation on Constraint Management System (CMS) for developing/building DFP-Third Prototype, 8/3/89, Rev. 1.1/TSD Report # DFP-004, EDS/GM, Michigan, USA.
5. Seat System Design/Build Automation Project, Phase II: Requirements Specification, TSD Report # SSAP-IND-001, June 1986, 132 pages.(with M. Fischer, R. Shah and S. Rhodes), EDS/GM, MI.
6. Vacuum Actuator Parametric Design Pilot Project: Generic requirements for Developing A Parametric based Application, TSD Report # VAPD-DR-003, Aug. 1987, 26 pages. (with R. Shah, K. Subramaniam, R. Abraham, D. Dalling and J. Copeland), EDS/GM, USA
7. Feasibility Study for the Computer Integrated Application (CIA) Pilot Project, TSD Report # DDA/CIA-001, Nov. 85, 112 pages. (with R. Gern, E. Fry, M. Magyar, J. Long, C. Bracken, R. Greene, M. Huang, R. Krishnaswami, and F. Webster), EDS/GM, MI.
8. Coil Spring Project- Phase I: Specification Requirements Study, TSD Report # DPR-CSP-001, May 1986, pages 44.(with P. Sengupta, and M. Gonzalez), EDS/GM, Livonia, MI
9. Design Modification Studies of V5 Compression Return Spring, TSD Report # ,Pages 46, February 1986.(with K. Subramaniam and R. Patel), EDS/GM, Bloomfield Hills, MI.
10. Structural Design Using A Feasible Direction Optimizer, Technical Report, SR 81-75, June 1981, Ford Motor Company, Dearborn, MI.
11. GIFWHL: An Interface Package Linking GIFTS with WHEEL Finite Element Programs -User Guide and Technical Documentation, TTD Report No. R-367, Track Train Dynamics Program, FRA, DOT, Washington, DC, May 1979.
12. Application of COMET-X to Problems of Railroad Industry, TTD Report No. R-356, Track Train Dynamics Program, Federal Railroad Administration, Association of American Railroads, DOT, Chicago, Jan. 1979.

NASA, U.S. Government, GM Reports (continued)

13. Test and Analysis of the Dynamic Characteristics of a Flat Car, Vol. I: Free Vibration Study, Task IX, Track Train Dynamics Report No. R-280, Federal Railroad Administration, DOT, Washington, DC, Dec. 1977. (with V. K. Garg)
14. Computer Program for Static, Thermal and Stability Analysis of Shells of Revolution, Space Science and Technology Center, Indian Space and Research Organization, Trivandrum, India, Dec. 1974. (with S. K. Radhamohan)
15. Test and Analysis of the Dynamic Characteristics of a Flat Car- Vol. II: Forced Vibration, Dynamic Stress Analysis and Fatigue Life Predictions, Task IX, Track Train Dynamics Report No. R-322, Federal Railroad Administration, DOT, Washington, July 1978.
16. Prasad, B., Fischer M., Shah R. and Rhodes S., "Seat System Design/Build Automation Project, Phase II: Requirements Specification, Report # SSAP-IND-001, June 1986, 132 pages.
17. Prasad, B., et al., "Vacuum Actuator Parametric Design Pilot Project: Generic requirements for Developing A Parametric based Application", Report # VAPD-DR-003, Aug. 1987, 26 pages.
18. Prasad, B., et al., "Feasibility Study for the Computer Integrated Application (CIA) Pilot Project", Report # DDA/CIA- 001, Nov. 85, 112 pages.
19. Prasad, B., et al., "Coil Spring Project- Phase I: Specification Requirements Study", Report # DPR-CSP-001, May 1986, pages 44.
20. Prasad, B., Subramaniam, K and Patel R., "Design Modification Studies of V5 Compression Return Spring", Report # ,Pages 46, February 1986.
21. Prasad B., P. Sengupta and K. Subramaniam, "Coil Spring Project -- Specifications Requirements", Applications Development & Support Organization, Technical Systems Development, EDS, May 9, Bloomfield Hills, MI, 1986.
22. Prasad, B., and M. Hashem, "Design for Manufacturability - Prototype III: Technical Manual", EDS/TSD/CAE Final Report No. 006, April 1990.
23. Prasad B., and Hashem M., "Design for Manufacturability - Prototype III: User's Manual", EDS/TSD/CAE Final Report No. 007, April 1990.
24. Prasad B, at. el. "Intelligent Vehicle/Highway Systems (IVHS)", EDS Role & Strategy, White Paper, July 31, 1990, EDS, Technical Systems Development, CAE Division, 1990.
25. Prasad B., J. MacDonald and D. Auxier, "Door Systems Methodology Project: Requirements Specifications", Recommendations for Next Phase of Development, GM/CPC/C4 Development, CAE Group, TSD, EDS, June 21, 1991.
26. Prasad B., et.al., "Math Based Process for Dies", Die Management Group (DMG), Manufacturing Technology Center, General Motors, December 1992.

Seminars/ Courses/ Workshops:

- Achieving Remarkable Manufacturing Results with Concurrent Engineering: Setting Fundamental, Framework & Architecture Objectives, Course ID # 92024-33, Society of Automotive Engineers, SAE Seminars, December 2-3, 1992, Holiday Inn Southfield, MI, USA.
- Concurrent Engineering: Integrated Product Development, Course ID # P92025, Society of Automotive Engineers, SAE Seminars, April 20-21, 1993, Peoria, Illinois, USA.
- Concurrent Engineering: Fundamentals, Course ID # 92019, Society of Automotive Engineers, SAE Seminars, (Module A), 1992- Current.
- Concurrent Engineering: Frameworks and Architectures, Course ID # 92024, Society of Automotive Engineers, SAE Seminars, (Module C), 1992-Current.
- Concurrent Engineering: Decision Support Environments, Course ID # 92026, Society of Automotive Engineers, SAE Seminars, (Module E), 1992-Current.
- Concurrent Engineering: Information Modeling, Course ID # 92045, Society of Automotive Engineers, SAE Seminars, (Module B), 1992-Current.
- Concurrent Engineering: Applications & Future Trends, Course ID # 92046, Society of Automotive Engineers, SAE Seminars, (Module F), 1992-Current.
- Concurrent Engineering: Applications & Future Trends, Course ID # 92046, Society of Automotive Engineers, SAE Seminars, (Module F), 1992-Current.
- Introduction to Concurrent Engineering, System Engineering Educational Series, Goddard Space Flight Center, Greenbelt, Maryland, Wednesday, April 30, 1997.
- Concurrent Engineering Fundamentals, Basic Course, Goddard Space Flight Center, Greenbelt, Maryland, April 28-30, 1997.
- Innovative Techniques in Concurrent Engineering, University of Michigan, Dearborn, A Series of Course offered to Ford Motor Company Managers & Engineers, February 19-22, 1997.