



Phillip A. Farrington

Professor

Department of Industrial and Systems
Engineering and Engineering Management



Research Expertise:

- Quality Engineering
- Integrated Product and Process Design
- Teams and Teams Development
- Operations Models of Aerospace Systems

Contact Information:

University of Alabama in Huntsville
301 Sparkman Drive, Huntsville, AL 35899
phillip.farrington@uah.edu
[Link to Department Webpage](#)
[Link to Personal Webpage](#)

RELEVANT PUBLICATIONS:

1. "Developing Reusable Modeling Capabilities for Simulating High Volume Electronics Manufacturing Systems," IEEE Transactions on Components, Packaging, and Manufacturing Technology, Part C: Manufacturing, Volume 19, Number 2 (April), 1996, (P.A. Farrington, J.J. Swain, J.L. Evans, and J.S. Rogers), pp. 89-97.
2. "A Comparison of Cohesion Metrics for Object-Oriented Systems," Information and Software Technology, Volume 46, Issue 10, 2004, (L.H. Etzkorn, S.E. Gholston, J.L. Fortune, C.E. Stein, D.R. Utley, P.A. Farrington, and G.W. Cox), pp. 677-687.
3. "Exploring the Relationship between Cohesion and Complexity," Journal of Computer Science, Volume 1, Number 1, 2005 (C. Stein, G. Cox, L. Etzkorn, S. Gholston, S. Virani, P. Farrington, D. Utley, and J. Fortune), pp. 137-143.
4. "Development and Application of a Vehicle Procurement Model for Rural Fleet Asset Management," Journal of Transportation Research Record, Number 1927, December, 2005, (N.S. Davenport, M. D. Anderson, and P.A. Farrington), pp. 123-127.
5. "A Knowledge-Based Cohesion Metric for Object-Oriented Software," INFOCOMP, Volume 5, Number 4, December 2006 (C. Stein, L. Etzkorn, S. Gholston, P. Farrington, and J. Fortune).
6. "Empirical Validation of the RCDC and RCDE Semantic Complexity Metrics for Object-Oriented Software," The Journal of Computing and Information Technology, Volume 15, Number 2, 2007 (G. Cox, S. Gholston, D. Utley, L. Etzkorn, C. Stein, P. Farrington, and J. Fortune). pp. 151-160
7. "Semantic Software Metrics Computed From Natural Language Design Specifications" IET Software (formerly IEE Proceedings Software), Vol. 2, No. 1, February 2008, pp. 17-26 (C. Gall (Stein), S. Lukins, L. Etzkorn, S. Gholston, P. Farrington, D. Utley, J. Fortune, and S. Virani).
8. "Faster, Better, Cheaper in the Context of Systems Engineering," Engineering Management Journal, Vol. 20, No. 3, September 2008, pp. 19-25. (B.R. Meade and P.A. Farrington).
9. "Semantic Metrics: Metrics based on Semantic Aspects of Software," Applied Artificial Intelligence, Volume 23, Issue 1, January 2009, pp. 1-11 (C. Stein, L. Etzkorn, S. Gholston, P. Farrington, D. Utley, G. Cox, and J. Fortune).
10. "A Preliminary Assessment of the Relationships Between Project Success, System Engineering, and Team Organization," Engineering Management Journal, Volume 20. Number 4, December 2008, pp.40-46 (P.J. Componation, A.D. Youngblood, D.R. Utley, and P.A. Farrington).