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Professor and Director, Mechanical & Civil Engineering, Louisiana Tech University  
Registered Professional Engineer, Louisiana, No. 16761

**Areas of Specialization:**

Numerical methods, automatic control systems, advanced computation, man-machine interaction, fire protection, computer-aided design

**Education:**

Ph.D., Mechanical Engineering, University of Texas at Austin, 1973.

Advisor: Dr. John J. Allan, III

M.S.M.E., University of Texas at Austin, 1971.

B.S.M.E., Louisiana Tech University, 1970.

**Professional Experience:**

Professor, Mechanical Engineering, Louisiana Tech University, Ruston, LA, 9/85-present.

Associate Professor, Mechanical Engineering, Louisiana Tech University, Ruston, LA, 9/80-8/85.

Assistant Professor, Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA, 1/4-5/80.

**Professional Activities:**

Member, American Society of Mechanical Engineers.

Member, American Society for Engineering Education.

Member, Louisiana Engineering Society.

Reviewer, McGraw-Hill Co., Automatic Controls and Computer-Aided Design textbooks.

Chairman, Campus Computer Coordinating Committee, 1991-present.

**Honors and Awards:**

Tau Beta Pi National Outstanding Advisor Award, 2003.

University Senate Chair Award, 1998.

F. Jay Taylor Tech Foundation Undergraduate Teaching Award, 1992.

Outstanding M.E. Faculty Member Award, 1992.

Outstanding Engineering Service Award, 1981, 1989.

LTEA Outstanding Engineering Faculty Member Award, 1993.

## **Publications:**

Corley, M.R., Emory, G.T., Cargill, D.R., Tanner, K., "The Design, Installation, and Management of an Agile Multiprotocol Compressed Video Network for the Higher Education Enterprise," Proceedings of the Teaching in Higher Education Forum, Louisiana State University, April 27-29, 2003.

Corley, M.R., "Network Delivery of Supplementary Instructional Materials: An Engineering Educator's Initial Experience," Proceedings of the ASEE Gulf-Southwest Section Meeting, The University of Texas at San Antonio, March 27-29, 1996, pp.465-470.

Corley, M., Callens, E.E., and Tull, H.G., "Direct Contact Profile Characterization of Thread Surfaces," Journal of Manufacturing Systems, Vol. 11, No. 5, pp.309-313, 1992.

Barron, R.F., Bruce, A.C., Corley, M.R., Norris, W.J., and Warrington, R.O., "A Technical Enrichment Experience," International Journal of Applied Engineering Education, Vol. 6, No. 3, pp. 337-341, 1989.

Corley, M.R. and Tull, H.G., "Functional Augmentation of a Machine Tool Controller," Journal of Engineering Computing and Applications, Vol. 3, No. 2, pp. 64-67, Winter 1989.

Corley, M.R., Anderson, D.O., Harnett, R.M., and Warrington, R.O., "CAD/CAM Data Representation and Interchange: An Assessment of Current Practice and Future Trends," Journal of Engineering Computing and Applications, Vol. 2, No. 3, pp. 36-40, Spring 1988.

Corley, M.R., "The Sprinkler Contractor and the Small Business Computer", Fire Protection Contractor, Vol. 5, No. 1, pp. 4, 11, January 1982.

Corley, M.R., "Use of a Pragmatic Information Measure as an Aid in the Design of Interactive Graphic Displays," ASME Journal of Engineering for Industry, Vol. 98, series B, No. 1, pp. 118-123, February 1976.

Corley, M.R. and Allan, J.J., "Pragmatic Information Processing Aspects of Graphically- Accessed Computer-Aided Design," IEEE Transactions on Systems, Man, and Cybernetics, Vol. SMC-6, No. 6, pp. 434-439, June 1976.

Corley, M.R. and Allan, J.J., "The Effectiveness of Direct Graphical Entry of Topological and Geometric Data," Behavior Research Methods and Instrumentation, Vol. 5, No. 2, pp. 197-198, March 1973.

Corley, M.R. and Allan, J.J., "Evaluation of Graphical Data Entry Techniques," Mechanical Engineering News, Vol. 9, No. 2, pp. 54-56, May 1972.

**Synergistic Activities:**

1. Director of Louisiana Tech University College of Engineering and Science Institute for IDEAS. This is the faculty/staff professional development program for the college. IDEAS sponsors special programs for faculty and staff development as well as regular monthly "IDEAS Breaks" for in-service training and faculty professional development, usually related to teaching effectiveness.
2. Chairman of College and University level advanced technology coordinating committees. Responsible for effective deployment of advanced technology for teaching and learning campus-wide.
3. Recipient of the 2003 Tau Beta Pi National Outstanding Advisor Award.