Thomas E. Kollman, Ph.D., M.E., M.S.

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EDUCATION

9/2006 – 05/2010: Texas Tech University, Lubbock, TX, Ph.D. in Mechanical Engineering received May 14, 2010, Final G.P.A. - 3.86

2/1999 - 5/2000: Texas Tech University, Lubbock, TX, Masters of Engineering, received May 13, 2000, Final G.P.A. - 3.4

01/1987 – 05/1995 Virginia Polytechnic Institute and State University, Certificate of Advanced Graduate Studies received May 14, 1994, Major – Adult and Continuing Education, 60 Credits plus a master's degree, (ABD toward Doctorate of Education), Final G.P.A. - 3.66

08/1984 – 05/1986 Chapman College, Orange, CA, Masters of Science Major, Human Resource Management/Development received May, 1986, Final G.P.A. - 4.0

08/1981 – 03/1984 Southern Illinois University, Carbondale, IL Bachelor of Science - Industrial Technology received March 12, 1984. Final G.P.A. - 3.5

01/1976 – 07/1983 Community College of the Air Force, Maxwell AFB, AL Associates in Applied Science, Training Devices Technology received July 12, 1983

PROFESSIONAL TEACHING EXPERIENCE

8/2010 – 12/2013 Texas A&M University – Commerce, Commerce, TX
Adjunct Faculty – Department of Computer Science and Information Systems,

- CSCI 359 – Systems Analysis and Design
- CSCI 497 – Service Engineering and Semantic Web
- CSCI 595 – Research Literature and Techniques
- CSCI 359/597 – Systems Analysis and Design
- CSCI 597 – Software Engineering Practicum
- CSCI 524 – Systems Analysis and Design
- CSCI 589 – Software Engineering Practicum

12/2000 – 12/2009 Texas Tech University, Lubbock, TX
Contracted Lead Instructor – Department of Mechanical Engineering

- ME 5354 – Principles of Systems Engineering (Required course in the Masters of Engineering Program taught for Raytheon at the Garland and Plano Raytheon Facilities for ten years from 2000-2009. Program graduated 115 Raytheon students with the Masters of Engineering degree. This course was written and taught to Raytheon requirements and was updated each year as part of the contract.

03/1993 – 07/1996 Averett College, Danville, VA
Adjunct Faculty – Averett Adult Curriculum for Excellence (AACE) program in Northern Virginia, 22 courses in eight different subjects

- BSA 435 - Human Resources Management (5 courses)
- BSA 444 - Management Strategies (1 course)

BSA 544 – Business Policy and Strategy (3 courses)
BSA 526 – Seminar in Organizational Behavior ((6 courses)
BSA 520 – Management Theory and Analysis (4 courses)
BSA 319 – Organizational Behavior (1 course)
PSY 400 – Applied Psychology (1 course)
BSA 521 – Ethical Issues in Business (1 course)

PUBLICATIONS

1. Atila Ertas, Thomas Kollman and Emrah Gumus.(2012) "Transdisciplinary educational performance evaluation: an international perspective." Approved and accepted for publication by International Journal of Engineering Education. Approved on 06/21/2011

2. Kollman, T.E., "Engineering 6000 B.C.E. to Today" presented at SDPS-2011 Conference, Jeju Island, South Korea (June, 2011)

3. Ertas, A. Editor. "Transdisciplinarity: bridging natural science, humanities and engineering." (2011) Chapter 9, Kollman, T.E. and Ertas, A. (2010). "Results of a survey to identify differences between interdisciplinary and transdisciplinary research processes." Pp. 158-170 TheATLAS Publishing ISBN: 0-9778129-3-6 www.theatlas.org

4. Kollman, T.E. and Ertas, A. (2010). "Results of a survey to identify differences between interdisciplinary and transdisciplinary research processes." Transdisciplinary Journal of Engineering & Science Vol: 1, No: 1.(December, 2010), pp.131-141

5. Kollman, Thomas E., "Knowledge Integration of Transdisciplinary Processes" Integrated Design and Process Technology, IDPT-2010, (June 2010), ©2010 Society for Design and Process Science

6. Kollman, Thomas E. and Atila Ertas "Defining Transdisciplinarity" (June 2010) TheATLAS T3 Annual Meeting Proceedings, ©2010 TheATLAS Publications

7. Kollman, Thomas E., "Survey and Framework for Transdisciplinary Research Activities", (May, 2010) Dissertation in Mechanical Engineering submitted to the graduate faculty of Texas Tech University in partial fulfillment of the requirements for the degree of Doctor of Philosophy, Approved by committee May 2010

8. Kollman, Thomas E., "Promulgation of Transdisciplinary Design and Systems Processes to the World", (SDPS 2009), presentation at November 2009 Society for Design and Process Science, Montgomery, Alabama
9. Adams, C., T.E. Kollman, B.G. McPeak, S. Symeonidis, T.J. Theodore and J. Zanoff, "Using Complexity Theory to Compare the Original Fujita Tornado Intensity Scale to the New Enhanced Fujita Scale," Paper and presentation at the Tenth World Conference on Integrated Design & Process Technology, June 2007, Antalya, Turkey

10. Kollman, Thomas E., "Why Would I Want to Pursue a Transdisciplinary Systems Design and Process PhD Degree?" Paper and presentation at the Tenth World Conference on Integrated Design & Process Technology, June 2007, Antalya, Turkey