

## Vita

### **1. Anthony M. Hyde**

**2. Education:** B.S. in Engineering Technology - Mechanical Program, New Mexico State University, December 1985.

M.S. in Manufacturing Engineering, University of Texas at El Paso, May, 1991.

### **3. Academic Experience**

**Director (75%):** Manufacturing Technology and Engineering Center 8/2000- present  
Responsible for the management and operation of a state funded organization housed within the College of Engineering at New Mexico State University. Organization's primary objective is to help develop the manufacturing and business sector in New Mexico through technical assistance, training and outreach activities. M-TEC provides business and industry with specialized training, technical advice and training along students with manufacturing experience.

**Professor (25%):** Department of Engineering Technology, New Mexico State University 2006- Present. Teach one course per semester including ET 101, 217, 305, 365, 415.

**Associate Professor and Manufacturing Program Coordinator.** 5/96-8/2005.

Department of Engineering Technology, New Mexico State University.

Responsible for curriculum and course development along with course and laboratory instruction. Taught freshmen through senior courses in the areas of manufacturing and mechanical engineering technology. Course areas include manufacturing history, manufacturing processes, computer aided manufacturing, computer aided drafting, manufacturing management and productivity, static's, introduction to mechanical engineering technology and production and assembly.

**Assistant Professor** 8/91-5/96,

Same basic duties as above.

**Manufacturing Processes Lab Instructor,** Department of Engineering Technology, New Mexico State University, August 1986 - June 1990. Taught Lab which is 2.5 hours a week approximately 4 times a week with 20 students in each lab. Lab included sand casting, machining, fabrication and general shop safety and instruction.

### **4. Non Academic Experience**

**Supervisor - Manufacturing Lab/Machine Shop,** Department of Engineering Technology, New Mexico State University, August 1986 -1991 Supervisor of all aspects of Manufacturing Laboratory. Responsibilities included overall supervision, project management, instruction, machining, maintenance fabricating and prototype work. Manufacturing Laboratory used for teaching and support of research and student projects.

**Manufacturing Engineer -** General Motors Corporation, Buick City Assembly Plant, Flint, Mich. Summer 1995. Project Manager in Manufacturing Engineering/Quality control. Responsible for suggesting corrective action for problems in the assembly of automobiles. Also hired for the implementation of computer controlled tooling system to control torque on power tools. Quality assurance and evaluation of assembly systems on dash and instrument cluster of automobile.

**Mechanical/Manufacturing Consultant:** 1990 - present. Rockwell International, General Motors, Advanced Manufacturing Center, Naval Research Center, Modern Cooling

Systems, and National Institute of Standards and Technology, and the Carlsbad Economic Development agency. Consulting areas: product design and development, training programs, new production setup, jig and fixture design, design for manufacturability, and quality and methods improvement.

### **5. Certifications:**

Certified in PLTW-Engineering Design and Develop. 2009 PLTW School Certifier 2010  
Certified Level 1 – Solidworks “Basic” 40 training -2008  
Certified in Economic Development I. 2005  
Certified – Geometric Dimensioning and Tolerancing – 40 hour training.1999  
Certified Manufacturing Engineer, 1994.  
Certified Manufacturing Engineering Technologist,  
1993. Fundamentals of Engineering Exam, 1986.

### **6. Societies**

American Society of Engineering Educators (ASEE)  
Society of Manufacturing Engineers (SME)  
American Society of Agricultural and Biological Engineers (ASABE)

### **7. Honors and awards**

- Dean’s Award of Excellence for Senior Faculty - 2010
- NMSU College of Engineering “Faculty of the Year Award”- 2004
- Manufacturing Educator of the Year. Society of Manufacturing Engineers- 2001
- Excellence in Mentoring Awards-1995-2003, NMSU AMP Program

### **8. Service Activities-**

University Affiliate Director: Project Lead the Way in New Mexico; 2007-Present.  
Responsible for Teacher and School Certifications, Administrators/ councilor and teacher conferences- other miscellaneous activities

### **9. Principal publications of last five years**

- ASABE 2010– Pittsburg, Pa- International Conference on American Society of Agricultural and Biological Engineers- Presenter/Paper- “Designing of a High Production Chile Destemmer”
- ASEE National Conference- Paper/ Presenter- “A Bridge to Somewhere, Creating STEM Pathways in New Mexico Higher Education”. Austin Texas, 2009
- ASEE/CIEC Conference- March 2009 –Orlando Florida-ASEE Conference on Industry and Education Collaborations- Presenter/Paper – “Changing the STEM Landscape in New Mexico through Community Colleges”.
- “Using Visual Aids to Improve the Instruction of Manufacturing Process,” coauthored with Julieta -Valles-Rosales, Christopher Hoy, Leon Cox, IEEE Conference, Houston, May 2005 .

### **10. Professional Development**

- Attended Regional Meetings for Texas A&M Engineering Extension
- Solidworks Basic Course, Taught Short Courses,
- PLTW National Conferences 2007- Presnter, ASEE Regional Conferences, CIEC Conferences, Director- National Affiliate Directors meter held at this

conference, American Society of Agricultural and Biological Engineering Conferences.