

**1. Name and Academic Rank**

Neda S. Fabris, Professor

**2. Degrees with fields, institution, and date**

1976 Doctor of Philosophy  
Illinois Institute of Technology  
Aerospace, Mechanics and Mechanical Engineering  
Specialization: Manufacturing and Solid Mechanics

1972 Master of Science in Mechanical Engineering  
Illinois Institute of Technology  
Specialization: Manufacturing and Solid Mechanics

1965 Diploma Mechanical Engineer (Master in Mechanical Engineering)  
University of Sarajevo, Bosnia and Herzegovina

**3. Number of years service on this faculty, including date of original appointment and dates of advancement in rank**

Number of Years on this Faculty: 27  
Date of original Appointment, Assistant Professor, 9/79  
Associate Professor: 9/83  
Professor 9/86-present  
Chair of the Mechanical Engineering Department, 1989-1993

**4. Other related experience--teaching, industrial, etc.**

Academic Experience:

1965-1966, 1967-1970 Assistant Professor, Mechanical Engineering  
University of Sarajevo, Bosnia and Herzegovina

1966 to 1967 Researcher, Institute for Machine Tools and Production Technology,  
Technical University, Aachen, Germany

1967 to 1970 Director of Metal Cutting Laboratory,  
University of Sarajevo, Bosnia and Herzegovina

1970 to 1974 Teaching Assistant and Lecturer  
Illinois Institute of Technology, Chicago IL.

1974 to 1975 Lecturer, Department of Material Engineering  
University of Illinois at Chicago Circle Campus, Chicago IL

Industrial Experience:

1976-1979 Member of Technical Staff, Bell Telephone Laboratory, Naperville IL

**5. Consulting, patents, etc.**

Consulting: Quantum Leap, Beverly Hills, Ca

Recent External Grants:

Fabris N.: "Engineering for Teachers", K-12 teachers supplement, 2004 (\$19,000)  
Fabris N.: (PI), Ukpolo F. (Co-PI): "Engineering for Teachers Program", NSF, 2002- 2004 (\$94,000)  
Fabris N.: (PI), Milton R. (Co-PI): "Mother-Daughter Academy" NSF 1999, (\$ 97,988)  
Fabris N.: "Determining Best Parameters for Machining Honeycomb Materials" (\$45,900) Lockheed Martin-CSU Partnership Program:

**6. State(s) in which registered**

None

**7. Principal publications of last five years**

Fabris, N., Spuzic, S., Stevens C., Abhary K., Rice J., Nouwens F.: "Contribution to Cross-disciplinary Lexicon" paper accepted for the presentation at 4<sup>th</sup> ASEE/AaeE Global Colloquium in Engineering Education, Sept 2005, Sidney Australia.

Fabris N., Shamol M.: "A Simple Experiment to Determine the Coefficient of Friction", Proceedings, 19th Annual National Educator's Workshop, NEW Update:2004, Phoenix, Arizona

Fabris N.: "Experimental Determination of Material Properties Used in Forming", 2002 ASEE (American Society of Engineering Education) conference, June 2002, Montreal Can.

Fabris N.: "Determination of Redundant Work in Extrusion Using Visio-Plasticity", paper presented at the 16<sup>th</sup> Annual National Educators' Workshop NEW: Update 2001, Oct. 2001 University of Maryland, MD.

Fabris N.,: "Encouraging High School Girls to Study Engineering Through "Mother & Daughter" Academy",

Paper peer-reviewed and presented at 2001 ASEE conference in Albuquerque N.M. June 2001.

**8. Scientific and professional societies of which a member**

American Society of Engineering Education (ASEE)  
Society of Manufacturing Engineers (SME)  
Society of Women Engineers (SWE)  
American Association of University Women (AAUW)

**9. Honors and awards**

- Society of Women Engineers: "Distinguished Engineering Educator Award", Year 2001.
- "Distinguished Women Award" awarded at the "Inaugural Reception, Honoring the Women of CSLA" by The Women Resource Center, CSULA, April 1999
  - Featured as a leader of "Mother & Daughter Workshop" on CBS radio program "Osgood Files" March 1999
  - "Outstanding Mechanical Engineering Professor for 1999", CSULA Eng. Student Council, 1999
  - "1998 Manufacturing Educator of the Year" of SME Desert Pacific Region 12
  - Featured in article "Mother-Daughter Academy", ASEE *Prism*, Feb.. 1998
  - Pi Tau Sigma Mechanical Engineering Honor Fraternity

**10. Institutional and professional service in the last five years**

Department Committee: Appointment, Retention and Promotion: 2003-2004  
College Committee: Faculty Affairs Committee, 1998-2001, Students Affairs 2005-  
University Committee Service: Academic Senator 2000-2004  
Committee on Committee, 1998-2001

Professional service:

- Presented a workshop at the California Science Education Conference (K-12), (one-hour long) in 2004 and scheduled to present three hours long in 2005.
- Served on NSF Engineering Education review panel, Washington D.C, 2003
- Faculty Coordinator for PALS (Partnership in Learning Success) mentoring program for E, Cs.&T from 1995-2003.
- Faculty Advisor for Student Chapter of SWE till 2002
- Established student SME chapter S318, for CSULA, and served as an Advisor till 2003
- Judge of "Manufacturing Challenge Contest", College level Student Competition, WESTEC 98  
2001, 2003

**11. Professional development activities in the last five years**

Attendance at Teaching Related Courses, Workshops, and Conferences:

- ASEE (American Association for Engineering Education), annual Conference 2000, 2002, 2005.
- National Educator Workshop (Standard Experiments in Engineering Materials, Science and Technology) 2001, 2003, 2004
- WESTEC (Western Tool Exhibit and Conference), 2001, 2002, 2003, 2005
- WEPAN (Women in Engineering Programs & Advocate Network), Annual Conf. 2000
- Numerous Local SME, SWE and ASME Meetings and Presentations
- Society of Women Engineers Annual Conference 2001
- California Science Education Conference, 2003, 2004