

**VITA**  
**MAJID T. TABRIZI**  
Spring 2005

**Personal:**

Present Address: 170 College Dr.  
Platteville, WI 53818  
Phone: (608) 348-3123  
Work Status: Professor & Director of Center for Plastics Processing Technology  
University of Wisconsin-Platteville  
Marital Status: Married, three children  
Visa Status: U.S Citizen

**Education:**

Graduation Date: 1986  
Degree: Doctor of Industrial Technology  
Institute: University of Northern Iowa,  
Cedar Falls, Iowa  
Major Field: Industrial Technology  
Minor Field: Assessment of Materials

Graduation Date: 1981  
Degree: Bachelor of Engineering Technology  
Institute: Southwest State University  
Marshall, Minnesota  
Major Field: Mechanical Engineering Technology  
Minor Field: Thermal Transformation Systems

Graduation Date: 1980  
Degree: Master of Science  
Institute: University of Wisconsin-Stout  
Menomonie, Wisconsin  
Major Field: Management Technology  
Minor Field: Industrial Management

Graduation Date: 1975  
Degree: Bachelor of Business Administration  
Institute: Kerman College of Administration and  
Commerce, Kerman, Iran  
Major Field: Business Administration  
Minor Field: Economics and Accounting

Graduation Date: 1972  
Degree: Associate of Applied Science  
Institute: Kerman Institute of Technology  
Kerman, Iran  
Major Field: Mechanics  
Minor Field: None

### Academic Experiences:

Date: 1987 - present  
Position: Professor & Director of Center for Plastics Processing Technology  
Institute: University of Wisconsin – Platteville  
Duties: Teach at the graduate and undergraduate levels in the areas of Synthetics and Composite Materials, Plastics, Ceramics, Injection Molding, Thermoforming, Plastic Processing, Lasers, and Metallurgy.

Date: 1998-1999  
Position: Visiting Scientist  
Institute: A number of Universities in Middle East and Southeast Asia.  
Duties: On a sabbatical leave from University of Wisconsin-Platteville, I lectured in the masters and doctoral levels in a number of universities in several Asian Countries.

Date: 1986 - 1987  
Position: Research Associate  
Institute: University of Northern Iowa  
Duties: Coordinated and performed a government-funded research project. Designed projects, performed the tests, and analyzed the results for submission of final reports.

Date: 1985 (Spring Semester)  
Position: Adjunct Instructor  
Employer: University of Northern Iowa  
Duties: Taught Industrial Materials and Materials Testing at senior level.

Date: 1980 - 1983  
Position: Graduate/Research Assistant  
Employer: University of Northern Iowa.  
Duties: Taught and supervised labs in Metallurgy, Materials Testing, Static & Strength of Materials, and Kinematics, independently or in cooperation with other faculty.

Date: 1981 (Summer Session)  
Position: Part-time Instructor  
Employer: University of Northern Iowa  
Duties: Taught and supervised the laboratory in a Materials Testing course.

Date: 1973 - 1974  
Position: Teacher  
Employer: Shahpoor Senior High School Kerman, Iran  
Duties: Taught 9th and 10th grade mathematics.

### Managerial Experiences:

Date: 2004 - Present  
Position: Liaison for Stat's Plastic Industries  
Institute: Focus on Energy  
Duties: Supervise and participate in research projects related to energy savings for the plastics industries within the state. Provide training and directives for procedure leading to reduction in energy consumption or increase in efficiency.

Date: 1990 - Present  
Position: Director  
Institute: Center for Plastics Processing Technology  
Duties: Supervise and participate in a number of developmental research projects. Provide training to regional industries.

Date: 2000 - Present  
Position: Board Member  
Institute: Forward Wisconsin  
Duties: Participated in society's activities and decision making

Date: 1998 - Present  
Position: Founder and Board Member  
Institute: Association of Scientists & Professionals of Kerman's Plastics and Rubber  
Duties: Participated in the society's activities and decision making

Date: 1990 - Present  
Position: Faculty Advisor  
Institute: Society of Plastics Engineers, UW-Platteville Student Section  
Duties: Advise students and board officers.

Date: 1991 - 2000  
Position: Board Member  
Institute: Society of Plastics Engineers-Milwaukee Section.  
Duties: Participated in the society's activities and decision making.

Date: 1992 - 1993  
Position: Treasurer  
Institute: Society of Plastics Engineers-Milwaukee Section  
Duties: Organized income and expenses of the organization.

Date: 1989 - 1990  
Position: Vice-Chairperson  
Institute: Academic & Institutional Research Committee, UW-Platteville  
Duties: Coordinated and encouraged research activities within the university.

Date: 1989  
Position: Chairman  
Institute: Solid Waste Committee Workshop  
Duties: Coordinated a one-day workshop titled: Solid Waste: Problems, Solutions, and Views. Sponsored by the regional plastics industries.

Date: 1986 - 1987  
Position: Research Associate  
Institute: University of Northern Iowa, Cedar Falls, Iowa  
Duties: Coordinated and performed a government-funded research project.

Date: 1972 - 1975  
Position: Director of Finance  
Employer: Chamber of Commerce, Kerman, Iran  
Duties: Designed and implemented the accounting system. Supervised the accountants. Prepared and submitted financial reports to the Director of the Chamber.

**Industrial Experiences:**

Date: 1984 - 1986  
Position: Research Director  
Employer: Iowa Laser Technology, Cedar Falls, Iowa 50614  
Duties: Research Director: Wrote and submitted research proposals to government and non-government organizations for funding. Planned and supervised the existing research work. Was responsible for all aspects of the laser portion of the current work. Maintained state-of-the-art knowledge of laser material processing.

Date: 1979 - 1981  
Position: Design Engineer  
Employer: Forage King Industries. Wheeler, Wisconsin  
Duties: Designed the 24 blade custom plow.

### **Special Awards:**

Date: November 02, 2004  
Institute: University of Wisconsin-Platteville  
Type of Award: Influential Educator Award for recognition of dedication to teaching and excellent relation with students.

Date: April 8, 2003  
Institute: International Society of Society of Plastics Engineers,  
Type of Award: A National Award recognition for outstanding service and significant contributions made to the society and the plastics industry.

Date: August, 2003  
Institute: Society of Plastics Engineers, Milwaukee Section  
Type of Award: Student Chapter Award of Excellence for active participation in national and regional activities.

Date: 1999  
Institute: Ministry of Industry, Kerman, Iran  
Types of Award: Appreciation Award for recognition of contributions to science and the industrial community in Iran.

Date: 1999  
Institute: Association of Mechanical Engineers Students  
Types of Award: Appreciation Award for contribution to plastics science and technology in Iran.

Date: 1999  
Institute: University of Shiraz, Shiraz, Iran  
Types of Award: Appreciation Award for contribution to students as a visiting professor.

Date: 1973  
Institute: Army  
Types of Award: Leadership award. Annual award recognizing the services provided by private officers during the two years composure services in the army. The selection was based on the officer's performance and their leadership abilities during their service in the armed forces.

Date: 1966  
Institute: Ministry of Education  
Types of Award: Annual award received as the best class president for the academic year of 1965-1966. The selection was based on student's ability to provide the best class leadership.

### **Industrial Training and Consultant;**

Date: November 2001  
Responsibility: Industrial Training  
Institute: Plastics Ingenuity, Cross Plain, Wisconsin  
Topic: Thermoforming of HDPE

Date: February 1999  
Responsibility: Industrial Training  
Institute: Abe Hayat, Kerman Iran  
Topic: Extrusion of Polyethylene pipes

Date: January 1999  
Responsibility: Industrial Training  
Institute: Polyethylene of Kerman, Kerman, Iran  
Topic: Extrusion of Polyethylene pipes

Date: 1998 – 1999  
Position: Industrial Consultant  
Employer: Ministry of Industry and others  
Duties: Production and process evaluation to improve processibility, quality and profitability for a number of industries in several Asian countries. The industries were mainly involved with production and fabrication of plastic, rubber, and metal.

Date: November 1998  
Responsibility: Industrial Training  
Institute: Baraz Tire, Kerman Iran  
Topic: Processing polymers and rubbers

Date: February 1997  
Responsibility: Industrial Training  
Institute: Load Speaker Components, Lancaster, Wisconsin  
Topic: Injection molding of thin wall parts

Date: January 1996  
Responsibility: Industrial Training  
Institute: Generac Corporation, Wisconsin  
Topic: Injection Molding

Date: April 1996  
Responsibility: Industrial Training  
Institute: John Deere Corporation, Waterloo, Iowa  
Topic: Plastics and Plastics Processing

Date: September 1995  
Responsibility: Industrial Training  
Institute: Cuba City Machine, Cuba City Wisconsin  
Topic: Metallurgy for Non-metallurgist

Date: March 1995  
Responsibility: Industrial Training  
Institute: Lanes Craft, Platteville, Wisconsin  
Topic: Plastics Processing

**Research Awarded:**

Date Awarded: 1997  
Date Completed: 1998  
Institute: Solid Waste Recovery Research Program.  
Title: "An Evaluation and Establishment of Process and Mechanical Properties Database for a Selected Recycled Polymer Reinforced with Forest Product".

Date Awarded: 1992  
Date Completed: 1993  
Institute: SAIF Grant, University of Wisconsin-Platteville  
Title: "Investigation of Processibility of Reclaimed Paper Fiber as Reinforcement in the Matrix of Recycled High Density Polypropylene".

Date Awarded: 1992  
Date Completed: 1993  
Institute: Iowa Laser Technology, PCM Corporation.  
Title: "The Effectiveness of a Medium Size Laser System to Process Vacuum Channel in Thermoforming Molds Casted with Aluminum 356 Serious".

Date Awarded: 1989  
Date Completed: 1990  
Institute: Iowa Laser Technology Inc., Cedar Falls, Iowa and Scholarly Activity Improvement Funds, University of Wisconsin-Platteville.  
Title: "Laser Surface Treatment of Selected Ferrous Alloys."

Date Awarded: 1987  
Date Completed: 1988  
Institute: SAIF Grant, University of Wisconsin-Platteville.  
Title: "Investigation of the Microstructure and Mechanical Properties of Aluminum Alloyed With Graphite."

Date Awarded: 1986  
Date Completed: 1987  
Institute: Iowa High Technology Council  
Title: "Formation of an Amorphous Layer on the Surface of Gray Cast Iron Using an Industrial Carbon Dioxide Laser."

**Grant Awarded:**

Date Awarded: 1993  
Date Completed: 1993  
Institute: Society of Plastics Engineers, Milwaukee Section  
Propose: The grant was to offer two specialized workshop to middle and high school faculty on how to develop and implement a plastics program in their schools.

Date Awarded: 1992  
Date Completed: 1992  
Institute: Society of Plastics Engineers, Milwaukee Section  
Propose: The grant was to offer a specialized course to middle and high school faculty on how to develop and implement a plastics program in their schools.

Date Awarded: 1991  
Date Completed: 1991  
Institute: Society of Plastics Engineers, Milwaukee Section  
Propose: The grant was to offer a specialized course to middle and high school faculty on how to develop and implement a plastics program in their schools.

Date Awarded: 1990  
Date Completed: 1990  
Institute: Society of Plastics Engineers, Milwaukee Section  
Propose: The grant was to offer a specialized course to middle and high school faculty on how to develop and implement a plastics program in their schools.

Date Awarded: 1989  
Date Completed: 1989  
Institute: Society of Plastics Engineers, Milwaukee Section  
Propose: The grant was to offer a specialized course to middle and high school faculty on how to develop and implement a plastics program in their schools.

Date Awarded: 1992  
Date Completed: 1993  
Institute: University of Wisconsin-Platteville SAIF grant program  
Topic: Investigation of Processibility of Reclaimed Paper Fiber as Reinforcement in the Matrix of Recycled High Density Polypropylene

Date Awarded: 1997  
Date Completed: 1999  
Institute: Sponsored partially by Iowa Laser Technology and PCM Inc.  
Topic: Application of Medium Size Industrial in Drilling Vacuum Channel in Cast Aluminum Mold.

#### **Technical Publications:**

- Dissertation Topic: Utilization of a Carbon Dioxide Laser to Form an Amorphous Metallic Layer on Gray Cast Iron.
- Tabrizi, M., The importance of Gate and Gate Size in Injection Molding, The Newsletter of Milwaukee Section of The Society of Plastics Engineers, Milwaukee, WI, , Vol. 24, N0.4. December 2004
- Tabrizi, M., Production of Segmented Mold to Control the Distribution of Materials in Thermoforming Process. Proceedings to American Technical Exhibition and Conference (ANTEC 03), SPE, Brookfield, CT, May 2003.
- Tabrizi, M. Javadi, L., Alimo, M., Application of Polymer to Facilitate the Growth of Plants in Arid Land. Proceedings to The 9<sup>th</sup> Annual Global Plastics Environmental Conference (GPEC 2003). Plastics Impact on the Environment. PP415-419
- Tabrizi, M. Yen Charlene: Rapid Mold Production by Combining Lost Foam a Laser Technology. Proceedings to Moldmaking 2002. Communication Technology Inc. Pp. 371-374
- Tabrizi, M., Wells, J. Using a CO2 Laser to Machine Air Channels in Thermoform Molds. Thermoforming Quarterly, Vol. 20, Number 4, 2001, Pp. 13-16
- Tabrizi, Majid, Twin-Sheet Thermoforming Using the “TAB” Technique. Plastics Engineering. February. 1999 Pp.31-32.
- Tabrizi, Majid. “Role of Research and Development in Production Facilities”. The Rubber and Plastic Industry. Pp. 8-10, Vol 2, No. 1 March 1999.
- Tabrizi, Majid. “News and New Inventions in Plastic Industries”. The Rubber and Plastic Industry. Pp. 5-6, Vol 2, No. 1 February 1999.

- Tabrizi, Majid, "A Message From the Founder. The Rubber and Plastic Industry". Pp. 3-4, Vol 2, No. 1 February 1999.
- Tabrizi, M., & Baldwin, M., "Role of Laser Technology in Thermoforming Industry". Proceedings to American Technical Conference (ANTEC 93), SPE, Brookfield, CT, 1991.
- Tabrizi, M., "The Role of Laser Technology in Plastics Fabrication Industries." Proceedings to American Technical Conference (ANTEC 91), SPE and Plastics Engineering, pp. 2241-2244, Brookfield, CT, 1991.
- Tabrizi, M., & Nickel, D., "The Educational Institute and the Dilemma of Plastics Education Program." Proceedings to American Technical Conference (ANTEC 91), Society of Plastics Engineers, pp. 2546-2550.
- Tabrizi, M., "Characterization of Aluminum Alloyed with Graphite to Enhance Wear Properties." Proceedings of International Metallographic Society, 23rd Annual Convention, Cincinnati, Ohio, 1990.
- Tabrizi, M., & De Bruine, T., "Advanced Phenolic Molding Compounds Applications in the Production of an All-Composite Engine." Proceedings of ANTEC 89 Conference, Society of Plastics Engineers, Brookfield, May 1989.
- Tabrizi, M., "Laser Processing of Polymeric Materials." Proceeding of RETEC 88, Conference, Society of Plastics Engineers, Brookfield, May 1989.
- Tabrizi, Majid, "Laser Processing of Plastic Materials." Plastic Processing for Profit. Retec-88. The Chicago Section and Milwaukee Section of SPE, Pp. 178- 201, September 1988.
- Fahmy, M., & Tabrizi, M., "Laser Surface Treatment of [(Fe-B-Ni)-M] Alloys." In M. Blum, P. French, R. Middleton, & G. Vander Voort (Eds). Microstructural Science, Vol. 16, 1987.
- Tabrizi, M., & Fahmy, M., "Non-Equilibrium Phase in Laser Processed Fe (x)-B (y)-M [100-(x+y)] Alloys." In M. Blum, P. French, R. Middleton, & G. Vander Voort (Eds). Microstructural Science, Vol. 15, 1987.
- Fahmy, M., & Tabrizi, M., "Case Hardening of Tool Steel Using a CO<sub>2</sub> Industrial Laser." Steel Founder's Research Journal. No. 16, 1986.

#### **Non-Technical Publications:**

- Tabrizi, M., "Plastics Program at UW" The Forming Edge Issue No.5 The MSA Components, Inc. Bloomington, Inc. June 2001.
- Tabrizi, Majid, " An Introduction of The Board of The Directors". The Rubber and Plastics-Kerman. Vol.1 No.1 February 1999, pp. 6-9.
- Tabrizi, Majid, "The News and New Inventions in Plastic Industries". The Rubber and Plastics-Kerman. Vol.1 No.2 March 1999, pp. 5-6.
- Tabrizi, M., "New Minor at U.W. Platteville" SPE-Milwaukee Section Newsletter. Vol 11, No. 3, Nov. 1991.
- Tabrizi, M., "Ongoing Education". SPE-Milwaukee Section Newsletter. Vol 11, No. 3, Nov. 1991.

#### **Other Publications:**

- Tabrizi, M., "Highlighting the University of Wisconsin-Platteville". Thermoforming Quarterly, Vol20, Number 4, 2001, pp.11
- Tabrizi, M., "UW-Platteville Focus of Society of Plastics Engineers Meeting." Alumni Today. Foundation Office of University of Wisconsin-Platteville, Summer 1991.
- Tabrizi, M., "Plastics Lab Dedicated." Alumni Today. Foundation Office of University of Wisconsin-Platteville, Summer 1991.
- Tabrizi, M., "New Minor at U.W. Platteville." SPE-Milwaukee-Section Newsletter. Vol. 11, No. 3, Nov. 1991.
- Tabrizi, M., "Ongoing Education." SPE-Milwaukee Section Newsletter. Vol. 11, No. 3, Nov. 1991.
- Tabrizi, M., "UW-Platteville Notes." Plastics, The Newsletter of the Society of Plastics Engineers-Milwaukee Section. Vol. 9, No. 6, February of 1990.
- Tabrizi, M., "UW-Platteville Notes." Plastics, The Newsletter of the Society of Plastics Engineers-Milwaukee Section. Vol. 10, No. 2, October of 1990.
- Tabrizi, M., "Teachers Go to School." Plastics, The Newsletter of the Society of Plastics Engineers-Milwaukee Section. Vol. 10, No. 3, November of 1990.
- Tabrizi, M., "UW-Platteville Plastics Lab Dedication." Plastics, The Newsletter of the SPE-Milwaukee Section. Vol. 10, No. 3, November of 1990.

**Book:**

- Tolu-Honary, A., Tabrizi, M., & Olson, W., "Applied Fluid Power for Industrial Technologist". To be published by Merrill-Macmillan Publishing Company,

**Technical Presentations:**

- Tabrizi, M., Production of Segmented Mold to Control the Distribution of Materials in Thermoforming Process. American Technical Exhibition and Conference (ANTEC 03), SPE, Brookfield, CT, May 2003.
- Tabrizi, M., Javadi, L., Alimo, M., Application of Polymer to Facilitate the Growth of Plants in Arid Land. Proceedings to The 9<sup>th</sup> Annual Global Plastics Environmental Conference (GPEC 2003). Plastics Impact on the Environment. February 27, 2003
- Tabrizi, M. Yen Charlene: Rapid Mold Production by Combining Lost Foam a Laser Technology. Proceedings to Moldmaking 2002. Communication Technology Inc. February 15 2002
- Tabrizi, Majid, Developing a World Class Workforce. Wisconsin Plastics Industry Day, Madison Wisconsin, Sponsored by American Plastics Council and Society of Plastics Industry, October 24, 2001.
- Tabrizi, Majid, Twin sheet Thermoforming using "TAB" techniques. Presented to American Technical Conference (ANTEC 93), Thermoforming Division, New Orleans, Louisiana, May 8, 1998.
- Tabrizi, M, & Baldwin, M., Role of Laser Technology in Thermoforming Industry. Presented to American Technical Conference (ANTEC 93), Thermoforming Division, New Orleans, Louisiana, May 9, 1993.
- Tabrizi, M., The Role of Laser Technology in Plastics Fabrication Industries. Presented to American National Technical Conference (ANTEC 91), Montreal, Canada 14, May 1991.

- Tabrizi, M., & Nickel, D., The Educational Institute and the Dilemma of Plastics Education Program. Presented to American National Technical Conference (ANTEC 91), Montreal, Canada 12, May 1989.
- Tabrizi, M., Characterization of Aluminum Alloyed with Graphite to Enhance Wear Properties. Presented to the International Metallographic Society, 23rd Annual Convention, Cincinnati, Ohio, 1990.
- Tabrizi, M., Laser Processing of Polymeric Materials. February 14, 1988. Presented to the Society of Plastic Engineers, Milwaukee, Wisconsin.
- Tabrizi, M. & De Bruine, T., Advanced Phenolic Molding Compound's Application in Production of an All Composite Engine. May 12, 1989. Presented to the American National Technical Meeting, New York.
- Tabrizi, M., Laser Processing of Plastic Materials. June 20, 1988. Presented to the Regional Technical Meeting (The RETEC 88), Chicago, Illinois.
- Tabrizi, M., Investigation of Nucleation of Graphite Structure in Cast Iron by Rapid Self-Quenching. July 30, 1987. Presented to the International Metallographic Society, 20th Annual Convention, Monterey, California.
- Fahmy, M., & Tabrizi, M., Laser Surface Treatment of [(Fe-B-Ni)] Alloys. July 30, 1987. Presented to the International Metallographic Society, 20th Annual Convention, Monterey, California.
- Tabrizi, M., Developing Countries and The Importance of the Transfer of High Technology: A Laser Case. October 18, 1986. Presented to the 9th National Third World Studies Conference, Omaha, Nebraska.
- Tabrizi, M., & Fahmy, M., Non-Equilibrium Phases in Laser Processed Fe(x)-B(y)-M(100-x-y) Alloys. Aug. 5, 1986. Presented to the International Metallographic Society 19th Annual Technical Meeting, Boston, Massachusetts.
- Tabrizi, M., Lasers: A New Concept in Manufacturing. Sept. 10, 1985. Presented to a Chinese delegation to Iowa.

#### **Other Presentations;**

- Tabrizi, P., & Tabrizi, M., International Student and the Cultural Shock. The Women Group of Platteville. November 2000,
- Tabrizi, M., Plastics, What Are They? A half-day seminar related to plastics and plastic processes attended by a group of manufacturers in a local industry.

#### **Professional Affiliations:**

1. Member, Polymer Engineering Center, College of Engineering  
University of Wisconsin-Madison 2001 - present
2. Member Cap 2002 - Present
3. Board member, Forward Wisconsin 2000 - present
4. Funder and permanent member of the ASPRPK 1998 - present
5. Faculty advisor to SPE-UWP Student Chapter 1990 - present.
6. Senior Member of SPE-Milwaukee Section 1987 - present