

**Resume**

**NOURREDINE BOUBEKRI, Ph.D.**

**Professor  
Department of Mechanical Engineering**

**College of Engineering  
University of North Texas**

**PERSONAL**

**Office Address:** Department of Mechanical Engineering  
UNT Research Park  
3940 N. Elm Street, Suite F115  
Denton, Texas 76207

**Office Telephone:** (940) 565-2136  
**Fax No.:** (940) 565-2666  
**E-Mail:** [boubekri@unt.edu](mailto:boubekri@unt.edu)

**Academic Rank:** Professor, Tenured

**Citizenship:** American Citizen

## SUMMARY OF LEADERSHIP ACCOMPLISHMENTS

**Dr. Nourredine Boubekri**

### **Tenure at University of North Texas**

#### **Associate Vice Provost UNT: SACSCOC Reaffirmation (Aug 2012-August 2016).**

Appointed by UNT Provost to lead the effort to prepare UNT to be reaffirmed by SACSCOC. The onsite visit took place in spring semester 2016.

In that capacity, I Worked with all UNT administrative and academic units ; including admissions, the graduate school, enrollment services, the office of the registrar, the office of the vice president for research and economic development, the division of advancements, UNT policies' office, health, security, and residential services to achieve our goal of reaffirmation. The result was a full reaffirmation.

#### **Chair: Department of Engineering Technology (June 1<sup>st</sup> 2006 to June 1<sup>st</sup> 2010)**

Restructured the Department to allow for a seamless utilization of resources to insure students' learning benefits.

The resulting high-quality levels of service provided to our students (throughout their experiences in the department), including "best practices" developed and implemented, earned the ETEC Department the "Outstanding Service" award from the Division of Academic Affairs which was received in 2007 from the University President.

Managed the organization and programs' self studies documentation preparation for a successful ABET accreditation visit of four Bachelor of Science degrees majors in the department. The visits took place in fall 2007 for three of the majors and fall 2008 for the remaining major. The specific accredited programs are:

- B.S Mechanical Engineering Technology (MEET)
- B.S Manufacturing Engineering Technology (MFET)
- B.S Electrical Engineering Technology (ELET)
- B.S Construction Engineering Technology (CNET)

Aligned the Department academic/research focus to compete for federal/state research funding.

Led the development and secured approval of the University and THECB for the development and offering of an interdisciplinary program: B.S in Mechatronics Engineering (a Systems Engineering program)

Established a new emerging and innovative interdisciplinary Master of Science in Engineering Systems with four different concentrations:

- Mechanical Systems,
- Electronic Systems,
- Construction Management,
- Engineering Management.

The concentrations with a management emphasis were initiated in collaboration with Marketing,

Management, and Logistics departments from UNT College of Business, 2008.

Increased total Department Research Awards and Scholarly Activities:

- Increased research funding in department by 60% using 2006 as the base year and averaging the levels of funding secured for 2007, 2008 and 2009.
- Developed a plan that includes release time and Department matching funds for faculty to actively seek competitive research funding.
- Developed a department plan to match funding from the College for faculty to attend research workshops, visit research laboratories and visit with program managers at federal funding agencies.
- Initiated a mentoring program for junior faculty that will, in part, assist them in identifying sources of funding, identifying collaborators and seeking sources for assistance in proposal writing.
- Restructured the faculty teaching load and established a course buyout policy to allow ample time for scholarly activities.

As a result, the Departments' faculty journal refereed publications nearly doubled in the first 36 months. The average number of all publications per faculty in the department rose to 3 per year compared to less than two (benchmarking 2006) and the number of research proposals submitted increased by approximately 60%.

Managed enrollment, retention and graduation rate in all Department programs. An increase of more than 20% in undergraduate department enrollment, benchmarking fall semester 2006, and an increase of 50% in enrollment in the MSES program since its inception in January 2008.

Developed excellent cooperative relationships with local and regional companies as well as department alumni. As a result, industry funding of faculty and student research projects increased significantly.

Chaired a committee to draft the College constitution (2007-2008).

Developed a plan to financially support all ETEC students pursuing Ph.D. degrees in the College of Engineering.

**Interim Chair: Department of Mechanical and Energy Engineering (November 2007 to August 1<sup>st</sup>, 2009)**

In addition to my full-time position as ETEC Department Chair, I assumed the responsibilities as Interim Chair of the Department of Mechanical and Energy Engineering (MEE) from November 2007 to August 1<sup>st</sup>, 2009.

A summary of my accomplishments in the MEE Department includes:

- Established a new workload and course buyout policy in order to provide for scholarly activities consistent with departmental strategic goals.
- Established tenure and promotion guidelines for the department consistent with departmental strategic goals and college and university guidelines.

- Worked with faculty to streamline departmental programs with ASME requirements.
- Developed the assessment infrastructure to prepare the B.S. program in MEE for an accreditation visit by ABET Inc; in 2011. (Program secured full accreditation).

### **Tenure at Northern Illinois University**

#### **Director of Research and Innovation of the College of Engineering and Engineering Technology and Chair of the Department of Industrial & Systems Engineering (Fall 2002 to 2006)**

Worked with the college faculty, chairs, and the college dean on establishing a strategic plan that included the development of innovative educational /research programs in the college. These plans are consistent with emerging federal initiatives. As a result, programs in the areas of micro fabrication, nanotechnology, development of alternative sources of energy and management have been initiated. These efforts have been a collaborative effort between the College of Engineering and the College of Arts and Sciences and the College of Business.

Collaborated in the development of an interdisciplinary Ph.D. program with the Department of Physics.

Directed a group of sixteen faculty and students from two colleges and five departments (Industrial/Mechanical/Mathematics/Physics/Biochemistry) to collaborate on a number of fundable interdisciplinary research/innovation projects in response to emerging initiatives. As a result, a grant was secured to fund a project in the area of green Manufacturing “*Rock Project*”; \$2.25 Million (Department of Defense);2004-2006.

Developed a number of collaborative relationships between the college and local industry including:

- Motorola Inc,
- Caterpillar Inc,
- Omron Corp,
- United Technologies Inc.
- McHenry Development Corporation,
- AgTech, Inc.

Founded a partnership between the College of Engineering and Ingersoll Corp, an international company. This partnership permitted students as well as faculty to collaborate with Ingersoll on projects using state of the art technologies and work hand in hand with engineering and business professionals on relevant application as well as research projects.

Developed:

- an off-campus Master of Science in Industrial and Systems Engineering,
- a new emphasis in “Logistics” within the Department of Industrial and Systems Engineering,

### **Tenure at the University of Miami (FL)**

#### **Director of the Industrial Assessment Center (Fall 2000-Fall 2002) (Co-Director 2002-2006)**

Founded and directed the University of Miami Industrial Assessment Center

- Funded through a competitive grant by the U.S. Department of Energy at a level of \$1,200,000 for the period 2000-2006.
- The objective of the center is to collaborate with small and medium size companies in

reducing energy consumption, reduce waste and increase productivity.

**Director of the Manufacturing Research Center (Fall 1999-Fall 2002)  
(Co-Director 2002-2006)**

Founded and directed the Manufacturing Research Center

- Funded by an industry consortium, including Boston Scientific, Inc., Cordis-Johnson & Johnson, Inc., Beckman/Coulter Electronics Corp. and United Technologies, Inc.

The objective is for faculty and students to collaborate with industry to examine and improve already existing products and processes and develop new technologies.

**Manufacturing Program Director (Fall 1983-1985& Jan 1988-Fall 2002)**

Developed and directed Bachelor of Science and Master of Science programs in Manufacturing Engineering. Managed the state appropriated program budget of \$3,000,000 for the period 1988 -2002

Developed and implemented outreach and recruitment programs. Collaborated with community college officials in the development of articulation agreements that would allow all interested and qualified students from community colleges to smoothly transition to the Manufacturing programs at The University of Miami and pay only the state tuition rate.

Initiated a number of collaborative efforts with Miami Dade College to raise funds (through collaborative proposals) that would leverage state resources for the Manufacturing Engineering programs. As a result, secured three grants totaling \$ 440,000 for the period 1994-1998 from The Society of Manufacturing Engineers Education Foundation which allowed us to develop new courses, update laboratories and to better serve our students.

Led the B.S program through three successful ABET (EAC) accreditation visits in 1993, 1996 and 2002. Worked with the faculty for the development and implementation of a comprehensive assessment process according to ABET EC 2000 criteria.

Collaborated with a number of departments in the College of Engineering for the development of the M.S. Degree in Computer Integrated Manufacturing Systems. Collaborated in the development and delivery of the M.S. degree in Management of Technology and the Ph.D. degree in Industrial and Management Systems Engineering. All of these programs have been offered on campus as well as off campus.

## HIGHER EDUCATION

### Institutional

- 1983 (July) University of Nebraska at Lincoln: Ph.D. Industrial and Management Systems
- 1980 (May) Boston University: M.E. Manufacturing Engineering
- 1980 (May) Boston University: B.S. Manufacturing Engineering

### Non-Institutional

2014	SACSCOC Conference; Nashville, TN
2013	SACSCOC Conference; Atlanta, GA
2012	SACSCOC Workshop; Dallas, TX
2008	Leading an academic unit; Indianapolis, IN
2006	WebCT Training Workshop; UNT, Denton, TX
2004	SBIR/STTR Workshop; Naperville, IL
2004	Diversity Training Workshop; NIU, IL
2003	Green Production Technologies, Rockford, IL, 2-day Workshop; Chicago, IL
2000	New Product Design/Development, 3-day Workshop; CALTECH
1996	Total Quality Management, 3-day Workshop; Miami, FL
1994	Design for Safety, 2-day Workshop and Conference; Cambridge, MA
1990	Concurrent Engineering Design, a 3-day Seminar; Ann Arbor, MI
1989	Quality Function Development, a short 2-day course; MA
1988	Design for Automatic Assembly, a 3-day course; Los Angeles, CA
1984	Design for Automation, a 4-day course; Amherst, MA

## EXPERIENCE

### Academic

Aug 2020-Present	Professor: Department of Mechanical Engineering; University of North Texas
Jan 2006-Aug 2020	Professor: Department of Engineering Technology; University of North Texas
Aug 2012 – Aug 2016	Director UNT: SACSCOC Accreditation Reaffirmation
June 2006 - June 2010	Professor and Chairman, Department of Engineering Technology; University of North Texas, Denton, TX.
Fall 2007 - August 2009	Professor, and Interim Chair, Department of Mechanical and Energy Engineering, University of North Texas, Denton, TX.
August 2002 - June 2006	Professor and Chairman, Department of Industrial and Systems Engineering & Director of Research and Innovation; College of Engineering and Eng. Technology, Northern Illinois University.
2000 - 2002	Director, the University of Miami Industrial Assessment Center, University of Miami, Coral Gables, FL.
1999 - 2002	Director, The Manufacturing Research Center, University of Miami, Coral Gables, FL.
1995 - 2002	Associate Professor, Department of Industrial Engineering-Tenured, University of Miami, Coral Gables, FL.
1994 - 1995	Leave of absence.
1988 - 2002	Manufacturing Engineering Programs Director, University of Miami, Coral Gables, FL.
1988 - 1994	Assistant Professor, Department of Industrial Engineering, University of Miami, Coral Gables, FL.
1985 - 1988	Leave of absence.
1983 - 1985	Assistant Professor, Department of Industrial Engineering, University of Miami, Coral Gables, FL.

1980 - 1983 Teaching Assistant, Department of Industrial and Systems Engineering,  
University of Nebraska at Lincoln.  
1979 - 1980 Lab Assistant, Department of Manufacturing Engineering, Boston University.

**Non-Academic**

1985-Present Consultant to industrial and service organizations.

**PROFESSIONAL ACTIVITIES**

**Conference Organization (Last five years)**

12 Annual Manufacturing Strategies Summit (Houston, Tx) 2021  
16<sup>th</sup> Annual European Manufacturing Strategies Virtual Summit 2020  
11<sup>th</sup> American Manufacturing Strategies virtual summit 2020  
Industrial Engineering and Operations Management virtual Conference 2020  
American Manufacturing Strategies Summit, Houston, Tx; USA; October 2019  
ICMMM 2019; Boston MA, USA; October 2019  
American Manufacturing Strategies Summit, San Diego, CA, October 2018  
5<sup>th</sup> Macro Theme Conference on Health and Medicine, Paris France 2017  
3rd International Conference, Recent Trends in Engineering and Technology (ICRET), Istanbul,  
Turkey, September 2 and 3, 2015.

## TEACHING

### Dissertation and Thesis Supervision

#### Ph.D. Dissertation

SHAIKH VASIM, “*Characterization of Micro Lubrication in High-Speed Milling*”, University of North Texas; (Committee Chairman); May 2013.

CHAKRABORTY, PENAKI, “*Development of Optimum Process Conditions in Machining Steel Using Minimum Quantity Lubrication: An Innovation in Green Design*”. University of Miami (Committee Co-Chairman), December 2006.

LIFTICARIU, MIHAI, “*Digenetic History of the Cenozoic Carbonate Sedimentary Rocks of Northwestern Yucatan Peninsula, Mexico*”, Northern Illinois University, (Committee member), December 2003.

ALJIFRI, A., HASSAN, “*Analysis and Enhancement of Temporal Behavior of Super-scalar Real-time Systems*”, University of Miami (Committee member), May 2001.

ELLIOT, M. DAWN, “*Effects of Body Mass on the External Loading of the Spine*”, University of Miami (Committee member), December 2000.

SUNGKHAPONG, ANGOON, “*Machining Cast Iron Using CBN and Ceramic Tools: A Comparative Study*”, University of Miami, (Chairman), December 2000.

ELDEEB, H., “*Computerized Manufacturing of Orthotic Devices Using CT, MR Scanning*”, University of Miami, (Chairman), 1998.

HARJADS., “*A Learning and Knowledge Base Approach for the Integration of CAD With Robot Vision*”, University of Miami, (Committee member), 1989.

#### Master Thesis

PHADMIS, AMEYA, “*Corrosion Protection of Low Carbon Steel by Cation Substituted Magnetite*”, (Feo<sub>4</sub>), University of North Texas; (Committee member) May 2013.

COLE, MATTHEW; “*Mist Characterization in the Drilling of 1018 Steel*”, University of North Texas; (Chairman) ,2012.

TEJAS MARU; “*Effects of Minimum Quantity Lubrication in the Drilling of 1018 Steel*”, University of North Texas; (Chairman), 2012.

SHEIKH, WASIM, “*Effectiveness of a Vegetable Oil Based Lubricant in the Drilling of Steel Using Micro Lubrication*”, University of North Texas (Chairman), 2008.



CHAMOUN, PATRICK, “*Assessment of High-Speed Drills in Machining 4140 Steel Using Micro Lubrication*”. Northern Illinois University (Chairman), August 2006.

GURUDUTA, PAWAR, “*Drilling of 1020 Steel Using Micro Lubrication*”. Northern Illinois University (Chairman), December 2005.

JAMES, MARIA SEBASTIAN, “*Effects of Some Machining Variables on Surface Finish, Tool Life and Tool Wear in Milling D2 Steel Using Polycrystalline Cubic Boron Nitride*”, Northern Illinois University (Chairman), May 2004.

MCCOY, KADE M., “*Rest Break Prediction Using Heart Rate*”, Northern Illinois University (Committee member), June 2003.

MADIPALLI, SHARATH, “*Genetic Algorithms for Minimizing Tool-switches on Parallel Flexible Machines*”, Northern Illinois University (Committee member) October 2003.

ASADI, ALI A., “*Evaluation of Straightness Tolerance Using an Iterative Procedure and Artificial Neural Networks*”, Northern Illinois University, (Committee member), December 2003.

CHAKRABORTY, PINAKI, “*Automation of Guiding Catheters Manufacture*,” University of Miami, (Chairman), May 2001.

XIAOXUAN HAN, “*Photometric Stereo Methods for 3D Shape Recovery in Attenuating Media*”. University of Miami (Committee member), May 2000.

SHARIFF, H., “*Design of an Automated Assembly System*”, University of Miami, (Chairman), 1997.

ELDEEB, H., “*Development of an Object Recognition Methodology for Robot Grasping Using Neural Networks*”, University of Miami, (Chairman), December 1993.

DEDEOGLU, M. “*Applying Knowledge Based Techniques to Computer-aided Process Control*”, University of Miami (Chairman), December 1992

NAGARAJ, S., “*Selection of Grasping Tools and Feeders for the Design of a Flexible Assembly Cell*”, University of Miami (Chairman), June 1991.

PARTHASARTHY, V., “*Efficient Heuristics for Cell Formation in Group Technology*”, University of Miami, (Committee member), 1991.

KURUP, P., “*A Fault-tolerant Parallel Architecture for a Local Control Unit of a Multiple Robot System (MRS)*”; University of Miami (Committee member), 1991.

RAMANUJAM, G., “*Modeling robot grasping strategies for rotational assembly parts*”; University of Miami, (Chairman), 1989.

BELALIA, R., ACHOURLY., “*Conception et Realization d'un Systeme de Contribution a la Generation Automatique de Gammes d'usinage pour les Pieces Tournees*”. (Chairman), Institut National de Formation en Informatique, Algeria, 1987.

SAHOUL M., LAKRIB, C. “*Conception et Realization d'un Logiciel d'aide a Generation de Gammes d'usinage pour les Pieces Tournees*”. (Chairman), Haut Commissariat a La Recherche, Algeria, 1987.

AOURAROUN, B., MELLATA, A., “*Conception et Realisation d'un Systeme Expert pour la Selection de Robots Industriels*”. (Chairman), Haut Commissariat a La Recherche, Algeria, 1987.

MERAZI, T, “*Modele de la Chaine de Controle Ultrasonore pour l'etude de l'influence de l'instrumentation sur la Quality du Controle*”. (Chairman), Haut Commissariat a La Recherche, Algeria, 1987.

### **Master's Thesis Committee Chair**

"Evaluation of Sterling Engine Efficiency". (September 2017 - December 2017).  
Advised: Jeffery Gittle. Engineering Technology.

### **Master's Thesis Committee Member**

"Knowledge Based System and Optimization of Ashby's Methodology in Materials Selection for Aircraft Cabin Metallic Structure". (February 2015 - December 2016).  
Advised: Pashupati Adhikari. Engineering Technology

### **Master Project**

#### **Major Professor**

(September 2020-December 2020).Advised: Nawaf Yafaei

#### **Smart Supply Chain Management: Department of Mechanical Engineering**

(May 15, 2019 - August 1, 2019).  
Advised: Pratiksha Jaju. Engineering Technology

"Performance evaluation of Microlubrication Systems". (June 2016 - August 2016).  
Advised: Mohamed Baleelah. Engineering Technology.

(June 2015 - August 2015).  
Advised: Alqahtani Meshari. Engineering Technology.

"Economic evaluation of Minimum Quantity Lubrication". (June 2015 - August 2015).  
Advised: Alqahtani Talal. Engineering Technology.

"A Management Framework for Truck Assembly Line". (June 2015 - August 2015).  
Advised: Alzahrani Mubarak. Engineering Technology.

"Master project;4D printing technology:State of the art litterature review and evaluation methodology".  
(September 2015 - December 2015).  
Advised: Acuna David. Engineering Technology

Victor Cantu, "*Facility and Technology Assessment for Aircraft Seat Manufacturing at Zodiac Corp.*"  
Major advisor, (Dec 2015)

Alqahtani Meshari "*Economics of Additive Manufacturing*" , Major advisor, August 2015.

Robert McAshan, "*Development of a Selection Methodology for 3D Printing Technology*"; Major  
advisor (May 2015)

BADR ALI, "*Productivity Modeling at SABER*"; Major advisor; December 2013

HABIB ABDULRAHMAN. "*Application of Critical Path Methodology to Optimize Academic/Career  
Outcome*" Major advisor; December 2013

BRIAN SEALY; "*Configuration Management: A Productivity Improvement Approach*", Major advisor;  
November 2012

MURTHY CHATURVEDULA," *Lean Manufacturing: Case Studies Analyses*", Northern Illinois  
University; Major advisor, December 2004.

DE LIRA ROBERTO; "*Tool Wear Mechanisms in Milling Tool Steels with PCBN Tools*", Northern  
Illinois University Major advisor, December 2003.

CHAPURI, RAJALINGAM, "*Establishing a Comprehensive Time Standard System for the Operations  
at the Wire Harness Manufacturing Company*", Northern Illinois University (Committee member),  
April 2003.

RODRIGUEZ JAIME, "*A methodology for Assessing the Mach Inability of Steels*", University of  
Miami; Major advisor, 1999.

### **Teaching Awards Received**

Elected in the Distinguished Professors Highlight; University of Miami, 1998.

Honor certificate for engineering education; provided by IIE, 1985.

### **Educational /Research Programs Leadership**

Department of Engineering Technology Chair (University of North Texas).

Department of Mechanical and Energy Engineering Interim Chair (University of North Texas).

Department of Industrial Engineering Chair /Director of Innovation and Research (Northern Illinois University).

Director of Industrial Assessment Center, University of Miami.

Director of the Manufacturing Research Institute, University of Miami.

Manufacturing Engineering Program Director, University of Miami.

### **Teaching Specialization**

(Courses developed and/or taught at the University of Miami, Northern Illinois University and at the University of North Texas):

Probability and Statistics

Quality Control and Reliability

Operations Management

Inventory Management

Technology Innovation

Production Management

Lean Enterprise Management

Project Management

Management of Technology

Cost Estimation

Engineering Economy

New Product Development

### **Laboratory development**

Northern Illinois University, 2002-2006: Director of the Manufacturing and Measurement & Control Laboratories

University of Miami, 1988-2002: developed and managed the CAM Laboratory.

## RESEARCH

### Research Funding

#### Competitive and Industry Grants

**Nourredine Boubekri “UNT INDUSTRIAL ASSESSMENT CENTER (UNTIAC)”;**  
**(Principal Investigator);** \$1,750,000; US Department of Energy (DOE). 2022-2026.

*“Research and Development in Additive manufacturing (3D Printing)”;* **(Principal Investigator)**,  
Emerson Corp.; \$24,000, 2015-2017.

*“Tool and Process Design for semi-dry drilling of steel: An Innovation for Green Manufacturing,”*  
**(Principal Investigator)**, Illinois Department of Natural Resources. \$150,000, 2005-2006.

*“Rock Project”;* N. Boubekri,**(co PI)**, S. Kuo, C. Mirman, S. Song, P. Vohra (PI), Department of  
Defense; \$2.25 Millions, 2004-2006.

*“Development of Optimum Tooling for Green Milling.”* **(Principal Investigator)**, Ingersoll Corp.  
\$49,900, 2004.

*Design of New Catheter.* **(Principal Investigator)**, Cordis- Johnson and Johnson, Inc. \$37,000, Jan  
2001-Dec 2001.

*The University of Miami Industrial Assessment Center;* **(Founding Director)**, Center funded by the U.S  
Department of Energy. \$1,200,000, 2000 - 2006.

*The Manufacturing Research Center at the University of Miami,* **(Founding Director)**, funded by  
Cordis-Johnson & Johnson, Beckman Coulter Inc., and The University of Miami. \$275,000, 1999 –  
2002.

*Developing Strength in Manufacturing Science, (Principal Investigator)*, Project funded by The Society of Manufacturing Engineers, grant no. 597-2361. \$13,932, 1997-1998.

*Initiatives to Develop Manufacturing Strength in Research and Education, (Principal Investigator)*, funded by the Society of Manufacturing Engineers, grant No. 593-1869. \$206,000, 1994-95.

*“Building Manufacturing Strength: Initiatives in Research, and Education,” (Principal Investigator)*, Project funded by the Society of Manufacturing Engineers. Grant No. 592-1705. \$220,995, 1993-94.

*“College of Engineering Computer Integrated Manufacturing Laboratory”*, University of Miami, Project funded by AT&T, **(Principal Researcher)**. \$145,264, Project Director: Dr. Narasimha, 1992.

*“An Experimental Approach to Predict Surface Finish in Turning”*, **(Principal Investigator)**, Southern Gear and Machine, Inc. \$19,240, 1992.

*“Computer-aided Product and Process Design”*, The University of Miami, College of Engineering, Research Equipment Grant Competition, **(Principal Investigator)** \$3,125, 1990.

*“Developing Reliability and Safety Standards for Robots Using Systematic Methodologies”*, Project funded by the University of Miami Quality Institute, **(Principal Investigator)**, \$6,000, 1990.

*“Computer Integrated Manufacturing Systems Laboratory”*. University of Miami, Project funded by IBM Corp, **(Principal Researcher)** \$200,000, Project Director: Dr. T. Khalil, 1989.

*“Product and Process Design for Manufacturing Systems”*, Project funded by the University of Miami Quality Institute, **(Principal Investigator)**. \$3,000, 1989.

*“Design of a Flexible Production Systems”*, Project funded by MODCOMP Corp., University of Miami, **(Principal Researcher)**, \$ 33,000, Project Director: Dr. N. Einspruch, 1985.

*“Development of an Assembly System Using the IBM 7535 Robot”*, research initiation award, University of Miami (FL), **(Principal Investigator)**, \$7,500, 1985.

*“Quality Control Application of Integrated Circuits Using the IBM 7535 Robot System”*. Project funded by IBM Corporation; Boca Raton (FL), University of Miami (FL), **(Principal Investigator)**, \$8,499, 1985.

*“Sensor Systems in Robotics”*; Project funded by IBM Corporation, Boca Raton (FL), University of Miami (FL), **(Principal Investigator)**, \$5,000, 1984.

*“Assembly Operations Design Using the IBM 7535 Robot System”*. Project funded by IBM Corporation; Boca Raton (FL), University of Miami, Florida, **(Principal Investigator)**, \$45,000, Project Director: Dr. D Sumanth, 1984.

### **Educational Grants**

*“Manufacturing Engineering Programs Initiative” (Program Director)*, University of Miami; Florida, Department of Higher Education; \$3.0 Million, 1988– 2002.

### **REFEREED PUBLICATIONS**

Brahma Teja Chavva\*, Ebubechukwu Ezeugwa\*, Kamal El Houari\*Nourredine Boubekri\*\* Ph.D  
**“Quality Standards of Medical Syringes”;**Accepted in MacroTheme Review; Dec 2022;inprint

[https://www.macrojournals.com/journals/the\\_macrotheme\\_review\\_2021](https://www.macrojournals.com/journals/the_macrotheme_review_2021)

Shaikh, V. A., Boubekri, N. “Using Vegetable-Oil-Based Sustainable Metal Working Fluids to Promote Green Manufacturing”. International Journal of Manufacturing, Materials and Mechanical Engineering, 10(1), 1-16/2020

N.Boubekri et al.; Artificial Intelligence: Research and Management Trends;The Journal of MacroTrends in Applied Science;Vol 7,N 1;2019

N. Boubekri, Kiri Koneru, Afolabi Daramola; “The Internet of Things: Technology and Research Trends”, Journal of Macrotrends in Applied Science 6, issue 1,2018.

N.Boubekri, C.Lozano, M.Peto, J Aktar; “Smart Materials: Technology and Research Trends Journal of Macrotrends in Applied Science, vol 6, issue 1,2018.

Shaikh,V; Boubekri,N.T,Sharf; “Micro lubrication Machining of 1018 Steel: The Effect of a Biodegradable Lubricant on the Microstructural Integrity", Lubrication Science; Vol 29,No 6,PP 357-376, 2017

N. Boubekri “Minimum Quantity Lubrication: Health Effects”; The Journal of Macrotrends in Health and Medicine; Vol 5 No 1.,2017

A.Akhtar,N.Boubekri,C.Lozano, “A Critical Analysis of a Case Study on The Use of Quality Tools”,

The Journal of MacroTrends in Technology and Innovation; Vol 5,no 1,2017.

Boubekri, M, Boubekri, N, “Current State of –the- Art Smart Glazing and Building Skin Materials for Energy Efficiency and Greener Buildings; The Journal of Macrotrend in Energy and Sustainability; Macro journals pub, Vol 4 issue 1 2016

Boubekri, N, Vasim Shaikh, “Nanofluids Technology Applications”, The Journal of Macro Trends in Technology and innovation, Vol 4, No1,2016

Boubekri, N. Ian Cole “Mist characterization in Drilling 1018 steel”. The Journal of Macro Trends in Technology and innovation; Vol 3, issue 1,2015.

Boubekri, N. Ian Cole “A Technology Enabler in Machining: Nanofluids in Minimum Quantity Lubrication”. The Journal of Macro Trends in Technology and innovation 3, issue 1,2015.

Boubekri, M; Boubekri, N; “Use of 3D printing Technology in Architectural Research”; Journal of Engineering and Architecture; Vol 3, No 2,2015.

Boubekri. N, Alqahtani. M, “Economics of Additive Manufacturing” Int’l Journal of Advances in Mechanical &Automotive Eng. (IJAMAE) Vol 2, issue 1 (2015).

*Boubekri, N., Shaikh, V., “Minimum Quantity Lubrication (MQL) in Machining: Benefits and Drawbacks”, Journal of Industrial and Intelligent Information 3, No 3 2015.*

*Shaikh, V., Boubekri, N., Sharf, T. W., “Analyzing the Effectiveness of Micro lubrication Using Vegetable Oil-Based Metal Working Fluid During End Milling”, International Journal of Manufacturing Engineering, Volume 2014(2014); Article ID 261349, 13 pages*

*Shaikh, V., Boubekri, N., and Scharf, T. W., “Micro lubrication Effects During End Milling AISI 1018 Steel”, International Journal of Manufacturing, Materials and Mechanical Engineering, 3(4), (2014), IJMMME-JPD4112. Pages 14-29.*

*Nourredine Boubekri, Vasim Shaikh, “Minimum Quantity Lubrication (MQL) in Machining,”; Journal of Management and Engineering Integration, Vol 6, No2, pp 51-61,2013*

*Shaikh, V., and Boubekri, N., “Wear Analysis During End Milling AISI 1018 Steel Using Micro lubrication”, European International Journal of Science and Technology, Vol: 2, Number: 8, (2013), pages 216-225*

*BOUBEKRI, N; VASIM SHAIKH “Machining Using Minimum Quantity Lubrication: A Technology for Sustainability”; International Journal of applied Science and Engineering; Vol 2, No1, PP111-*



115;(2012)

BOUBEKRI, N." *An Investigation in Drilling 1020 Steel Using Minimum Quantity Lubrication*"; *International Journal of Applied Science and Technology*; Vol1, No5, 2011

Shaikh, V. A., and Boubekri, N., (2010), Effects of minimum quantity lubrication in drilling 1018 Steel, *Journal of Manufacturing Technology Research*, Vol: 2, Issue: 1/2, pp. 1-14. 13.

Boubekri, N., Shaikh, V. A., and Foster, P., (2010), A technology enabler for green machining: Minimum quantity lubrication (MQL), *Journal of Manufacturing Technology Management*, Vol: 21, Number: 5, pp. 556-566. <https://doi.org/10.1108/17410381011046968>

BOUBEKRI, N, Vasim Shaikh, “*Effects of dy for Semi-Dry Drilling of Steel: An Innovation for Green Manufacturing. Part IV.*” *Waste Management Research Center RR 130*, 2008.

BENATIALLAH, A., MOSTEFAOUI, R., BOUBEKRI, M., BOUBEKRI, N. “*A Simulation Model for Sizing PV Installations*”, *Desalination 209*, (2007) 97-101

BOUBEKRI, N, FALLAHI BEHROUZ, “*Tool and Process Design for Semi-Dry Drilling of Steel: An Innovation for Green Manufacturing. Part III.*” *Waste Management Research Center RR 120*, 2007.

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BOUBEKRI, N., “*Robot Grasping Design*”, *International Journal of Science and Technology*. Vol.13, No.1, 2002.

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- ELDEEB, H., BOUBEKRI, N., “*A Neural Network Application for Robot Manipulation*”. International Journal of Flexible Automation and Integrated Manufacturing. Begel House Publishers, Vol. 7, Nos. 1 & 2, pp. 67-86, 1999.
- BOUBEKRI, N., CHAKRABORTY P., “*Modeling of Robot Grasping Strategies for Stable Prehension by a Robot Hand for Rotational and Prismatic Components*”. International Journal of Flexible Automation and Integrated Manufacturing. Begel House Publishers, Vol.7, Nos.3 & 4, pp.209-231, 1999.
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- BOUBEKRI, N., RAMANUJAM, G., “*Design of Grasping Methodologies for Rotational Parts*”. International Journal of Flexible Manufacturing Systems. Kluwer Academic Publishers, Vol.7, pp. 373-388, 1995.
- BOUBEKRI, N., ELDEEB, H., “*Strategies for Equipment Design and Selection in Robotic Assembly*”; Management of Technology; Industrial Engineering and Management Press; pp. 1189-1195, 1994.
- BOUBEKRI, N., NAGARAJ, S. “*An Integrated Approach for the Selection and Design of Assembly Systems*”, Integrated Manufacturing Systems, MCB University Press, Vol. 4, pp. 11-17, 1993.
- BOUBEKRI, N., SCHNEIDER, M.H., ASFOUR, S., “*Effects of Some Machining Variables in Lathe Facing Using a Profilometer to Measure Surface Roughness*”, Quality Engineering Journal, Marcel Dekker, Inc., Vol. 5, No. 2, pp. 97-116, 1992, 1993.
- BOUBEKRI, N., NAGARAJ, S., “*Selection of a Competitive Flexible Assembly System*”; Management of Technology; Industrial Engineering and Management Press; Vol. 2, pp. 1441-1445, 1992.
- BOUBEKRI, N., IP, C.M., ABOUDI, R. “*Management of Computer Integrated Manufacturing Systems - A Hybrid Quality Function Deployment/Optimization Approach*” Integrated Manufacturing

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BOUBEKRI, N., SCHNEIDER, M. H., “*Inspection and Testing Methods in Manufacturing: Selection of Methodology*”, Quality Engineering Journal, Marcel Dekker, Inc. Vol. 3, Nos. 4, pp. 491-500, 1991.

BOUBEKRI, N. SCHNEIDER, M. H., “*Inspection and Testing Methods in Manufacturing: An Experimental Approach*”, Quality Engineering Journal, Marcel Dekker, Inc., Vol. 4, Nos. 1, pp. 63-73, 1991.

BOUBEKRI, N., RAMANUJAM, G., “*Automated Process Planning Improves Robotic Assembly*”; Productivity and Quality Management Frontiers; Industrial Engineering and Management Press, pp. 233-239, 1991.

BOUBEKRI, N., BOUDJMA, A., and MELLATA, A.; “*Development of an Expert System for Industrial Robots Selection*”; Computers and Industrial Engineering Journal. Pergamon Press , Vol. 20, No 1, pp. 119-127, 1991.

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BOUBEKRI, N., KHALIL, T.M. and KABUKA, M.; “*Human-machine Interface in Remote Monitoring and Control of Flexible Manufacturing Systems*”; Ergonomics of Hybrid Automated Systems; Elsevier Science Publishers; B.V. Amsterdam pp. 311-318, 1988.

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BOUBEKRI, N.; “*Robotic Standards Developments in the U.S.A.*”; Review of Advanced Techniques; Haut Commissariat a la Recherche Press; Vol. 12, Nos. 1, pp. 1-16, 1986.

BOUBEKRI, N.; “*Effects of Some Machining Variables in Lathe Facing Using a Profilometer and a Speckle Contrast Method to Measure Surface Roughness*”; Ph.D. dissertation, University of Nebraska at Lincoln, 1983.

## CONFERENCE PRESENTATIONS

13<sup>th</sup> Annual Manufacturing Strategies Summit 2022. Invited speaker

12<sup>th</sup> Annual Manufacturing Strategies Summit 2021. Invited Speaker

16<sup>th</sup> Annual European Manufacturing Strategies Virtual Summit 2020; Invited Speaker

11<sup>th</sup> American Manufacturing Strategies virtual summit 2020; invited speaker

Industrial Engineering and Operations Management virtual Conference 2020; invited speaker

Boubekri, N. (Author & Presenter), 10th American Manufacturing Strategies Summit, Plenary Address, United States, Houston, 2019

Boubekri, N. (Author & Presenter), ICMMS 2019, "The Fourth Industrial Revolution: Technologies, Applications, Challenges, and Research Trends," Keynote/Plenary Address, United States of America. 2019.

N.Boubekri “Managing Innovation of Disruptive Technologies”; 5<sup>th</sup> MacroTrends Conference on Technology and Innovation; Paris (France), December 2017. **Keynote speaker**

N.Boubekri “A critical Analysis of a Case Study on The Use of Quality Tools”; 5<sup>th</sup> Macrotrends Conference on Technology and Innovation; Paris (France), December 2017.

N.Boubekri “Minimum Quantity Lubrication: Health Effects”; 5<sup>th</sup> Macrotrends Conference on Health and Medicine; Paris (France), December 2017.

Boubekri, N, “Sustainable Design and Manufacturing”; 4<sup>th</sup> Macro Trends Conference on Technology and Innovation, Paris France Dec 2016; **Keynote speaker**

Nourredine Boubekri, Vasim Sheikh “Nanofluids Technology Applications”; 4<sup>th</sup> Macrotrend Conference on Technology and Innovation; Paris (France), Dec 2016.

Mohamed Boubekri, Nourredine Boubekri “Current State of –the- Art Smart Glazing and Building Skin Materials for Energy Efficiency and Greener Buildings”; 4<sup>th</sup> Macrotrend Conference on Technology and Innovation; Paris (France), Dec 2016

Boubekri, N, “Green Design and Green Manufacturing”; 3rd International Conference Recent trends in Engineering and Technology (ICRET) Istanbul, Turkey, September 2 and 3, 2015. **Keynote speaker**

BOUBEKRI, N. “*Managing Cost of Additive Manufacturing*”; 3rd International Conference Recent trends in Engineering and Technology (ICRET) Istanbul, Turkey, September 2 and 3, 2015.

BOUBEKRI, N. VASIM, SHAIKH, FOSTER, P. "*Management of Lubricants in Machining*"; 19 Annual International Conference on Industry, Engineering, and Management Systems; Fl March 2013

SHAIKH, V., BOUBEKRI, N. and SCHARF, T.W., (2013), “*Micro lubrication Effects in Milling AISI 1018 steel: An Approach Towards Green Manufacturing*”, 120<sup>th</sup> ASEE Annual Conference and Exposition. Conference code: 99351.

BOUBEKRI, N; MOSTEFAOUI, R; “*SACS Accreditation for a Global Education*”; Macro theme Review Conference, Paris; December 2012

BOUBEKRI, N. VASIM, SHAIKH, FOSTER, P, “*Effects of Minimum Quantity Lubrication in Drilling 1018 Steel Using Vegetable Oil*”, IIE Annual Conference and Expo 2010, June 5 – 9, 2010, Cancun, Mexico

BOUBEKRI, N., “*Micro Lubrication in Machining: Technology Review and Safety*” IIE Annual Conference and Expo 2010, June 5 – 9, 2010, Cancun, Mexico

BOUBEKRI, N., “*Minimum Quantity Lubrication in Machining: State of The Art*”, IIE Annual Conference and Expo, June 2009, Orlando, Fl

BOUBEKRI, N., “*Rethinking Education Strategies in the USA*”, ASEE Conference, Pittsburg, PA, 2008

BOUBEKRI, N., “*Rethinking Education Strategies in the 21 century*”, Polytechnique de Paris, 2008

BOUBEKRI, N., V. VAIDYANATHAN. “*Development of a Mechatronics Program*”; SAME-TEC; 2007

BOUBEKRI, N., “*Micro Lubrication in Drilling Steel: A Green Manufacturing Initiative*” IIE Annual Conference, Orlando, Florida, 2006.

BOUBEKRI, N.,” *Manufacturing Education Strategies in the 21<sup>st</sup> Century*” ASEE IL/IN Conference, 2005.

BOUBEKRI, N, “*Innovation and Education Strategies in the 21<sup>st</sup> Century*” The 10<sup>th</sup> International Conference on Concurrent Engineering”, Lisbon, Portugal, 2003.

BOUBEKRI, N., “*Assessment of the Mach Inability of Steel in High-Speed Dry Turning; A Summary of Findings*”, Third International Conference on Metal Cutting and High-Speed Machining, France, June 2002.

- BOUBEKRI, N., CHAKRABORTY, P., SUNGKHAPONG, A., “*A Performance of CBN and Ceramic Tools in Dry Turning of Gray Cast Iron*”. 2000 Pacific Conference on Manufacturing, Detroit, 2000.
- BOUBEKRI, N., CHAKRABORTY P., “*Modeling of Robot Grasping Strategies for Stable Prehension by a Robot Hand for Rotational and Prismatic Components*”. Flexible Automation and Integrated Manufacturing Conference, Virginia Tech., Virginia 2000.
- BOUBEKRI, N., KHALIL T., “*Challenges of Manufacturing: A Look at the Future*”, International Management of Technology Conference, Cairo, Egypt, 1999.
- ELDEEB, H., BOUBEKRI, N., and KHALIL, T., “*Software Development of a Neural Networks Algorithm for Robotic Object Recognition*”, Florida Conference on Recent Advances in Robotics, 1997.
- BOUBEKRI, N., RAMBHIA, H. R., “*A Methodology for Robotic Assembly Cell Design*”, AUTOFACT '97, Detroit, MI, Society of Manufacturing Engineers, 1997.
- BOUBEKRI, N., RAMBHIA, R., “*Management of CIM: A Quality Function Deployment Approach*”, IV International Euroma Conference, Barcelona, Spain, 1997.
- BOUBEKRI, N., “*An Integrated Approach for the Selection and Design of Assembly Systems*”. The 19<sup>th</sup> International Conference on Computers and Industrial Engineering, Miami, Fl, 1996.
- BOUBEKRI, N., “*An Integrated Approach for the Selection and Design of Assembly Systems*”. The 19<sup>th</sup> International Conference on Computers and Industrial Engineering, Miami, Fl, 1996.
- ELDEEB, H., BOUBEKRI, N., “*Development of an Object Recognition Methodology for Robot Grasping Using Neural Networks*”, Fifth International Conference on Robotics Research, SME, September 1994.
- BOUBEKRI, N., ELDEEB, H., “*Strategies for Equipment Design and Selection in Robotic Assembly*”, Fourth International Conference on Industrial Engineering, France, 1993.
- BOUBEKRI, N., RAMANUJAM, G. “*Design of Grasping Methodologies for Rotational Components*”. Rensselaer's Third International Conference on Computer Integrated Manufacturing, IEEE Computer Society Press, May 1992.
- BOUBEKRI, N., “*Designing Flexible Assembly Systems: Robots vs. Human*”, The Third International Conference on Industrial Engineering, Tours, France, March 1991.
- BOUBEKRI, N., “*Robot Grasping Methods*”, The 11th International Conference on Assembly Automation, SME Press, November 1990.
- BOUBEKRI, N., WALY, S.; “*A Position Control Algorithm for a Microcomputer Controlled SCARA Robot*”, The 12th Annual Conference for Computer and Industrial Engineering; Pergamon Press,

March 1990.

BOUBEKRI, N., RAMANUJAM, G., ALBUSAIRI, A.; “*A Computer-aided Assembly Planning System for Small Rotational Parts*”. The 10th International Conference on Production Research; The University of Nottingham (England), August 1989.

BOUBEKRI, N., LAYTON, T.S.; “*Assessment of Robotic Technology for Severely Physically Disabled Microcomputer Specialists*”; PROCIEM Conference Proceedings, November 1989.

BOUBEKRI, N., SAHOUI, M., and LAKRIB, C.; “*Computer-aided Process Planning for Lathe Parts*”; The 10th Annual Conference for Computers and industrial Engineering; March 1988.

BOUBEKRI, N., MINO, H.; “*Computers in Production Planning and Control*”, The 7th Annual Conference for Computers and Industrial Engineering; March 1985.

BOUBEKRI, N., HESS, J.; “*Remote Monitoring of the Unsupervised Robotic Cell*”; The 7th Annual Conference for Computers and Industrial Engineering; March 1985.

BOUBEKRI, N., LAKHANI, S.; “*Justification of the Use of Robots in Flexible Manufacturing Systems*”; The International CAD/CAM, Robotics and Automation Conference; Feb. 1985.

### **INTERNATIONAL INITIATIVES**

Initiatives in International collaborations and partnerships include:

- Led efforts to recruit students to the Industrial Engineering Department from the countries of Saud Arabia, Kuwait, and Qatar; University of Miami-1993-2002
- Initiated the development of an articulation agreement (2+2 Bachelor program in Industrial Engineering; University of Miami/Kuwait;1998- 2002
- Developed an exchange program between “le Centre National de Recherche Scientific”; Paris (France); University of Miami;2000-2002
- Hosted faculty researchers from the countries of Egypt, France, and Turkey; University of Miami;1999-2002
- Initiated the Development of a partnership program between UNT and Bahcesehir University (Turkey) which led to the signing of a MOU by the University Presidents, 2007.
- Selected as part of a delegation to China of UNT executives, including UNT president which resulted in the development of a number of educational/research partnerships between UNT and a number of institutions; China;2008
- Selected as a member of a US delegation to China (Citizens Ambassador program) to forge cooperation in education, research, between the two countries; 2010.

### **SERVICE**

**Panel Member/Proposal Reviewer for the following organizations:**

National Science Foundation (NSF); Graduate fellowships programs; 2011 to current  
Industry Council's Applied Research Grants Programs; 2007  
Natural Sciences and Engineering Research Council of Canada; 2006  
Engineering Research Council (ERC); 2005 to current  
State of Missouri Research Assistance Program; 2003  
Florida High Technology Initiative; 2000-2002  
National Institute of Occupational Safety and Health (NIH); 2000  
U.S Department of Energy (DOE); 2000-2002,2006-current

**Reviewer/Editorial Board Member**

“Journal of Open Innovation,” titled “Fourth Industrial Revolution-Convergence between the Digital, Physical, and Biological Sphere.”2018-2019.  
Macro journals International Editorial Board;2015-Present  
Journal of Environmental Engineering; 2012-Present  
Journal of Engineering Manufacture; 2012-present  
Wear of Materials, 2011-2021  
*International Journal of Manufacturing, Materials and Mechanical Engineering*, 2010-Present  
ASME Transactions; 2004-2021  
International Journal of Simulation Modeling; 2002-Present  
Journal of Manufacturing Technology Management; 2000-Present  
International Journal of Production Research; 1998-Present  
Journal for Manufacturing Science and Technology; 1996-Present

**Professional Associations**

Member, Engineering Technology Council board member 2006-Present  
Vice Chair, National Committee on Manufacturing Education chairs (COMEC), 1999 – 2005  
Program Evaluator: Accreditation Board for Engineering and Technology (ABET-EAC)  
Manufacturing/Industrial Engineering Programs, 1998- Present  
Vice Chairman for the Society of Manufacturing Engineer, Miami Chapter (150) 1991-1992.  
Director of the Institute of Industrial Engineers, Miami Chapter 1989-1991; 1991-1992.  
Faculty Advisor for the Society of Manufacturing Engineers, University of Miami Student Chapter, 1989 to 2002.

**University Committees**

**University of North Texas**

Member of Department of Mechanical Engineering Personnel Affairs Committee 2019-2021;2022  
Member of College of Engineering Personnel Affairs Committee 2018-2020  
Chair of University SACSCOC Steering Committee; 2012-2016  
Member of University Steering Committee on Freshman Experience; 2012  
Member of Logistics Search Committee (College of Business); 2012  
Member of Search Committee, International Programs; 2010  
UNT College of Engineering Chair’s Council representative; 2009



Chair; College of Engineering Constitution Committee; 2008  
Member of University Senate Academic Affairs Committee; August 2006-2011  
Member of College of Engineering Executive Committee; June 2006-2010

### **Northern Illinois University**

Member of Academic Performance and Standards Committee; 2004-2006  
Member of Research and Artistry Committee; 2004-2006  
Member of University Undergraduate Curriculum Committee; 2003-2006  
College of Engineering Senator; 2002 – 2006  
Member of University Diversity Committee; 2002 – 2006  
Senior Graduate Faculty Member; 2002- 2006

### **University of Miami, FL**

University wide General Education Requirement and Curriculum Committee; 2001, 2002  
Coordinator of Manufacturing Engineering Program; 1983– 1985 (1985-1988; Military Assignment)  
Director of Manufacturing Engineering programs (B.S, M.S); 1988-2002  
Department of Industrial Engineering Representative to the College of Engineering Council; 1997 – 2000

Member of Faculty Search Committee for “Manufacturing Program” position, Industrial Engineering Department; 1996-1997

Member of Faculty Search Committee for “Human Factors/Ergonomics” position, Industrial Engineering Department; 1995-1996

Member of Faculty Search Committee for “Material Science” position, Mechanical Engineering Department; 1995 – 1996

Member of College of Engineering Dean Search Consultative Committee; 1993-1994

Academic Advisor to the Manufacturing Industrial Engineering Students; 1983 to 1985; 1988 to 2002.

Representative of the Industrial Engineering Department to the College of Engineering Brownell Award; 1988.

Honor's Program Committee Chairman, Industrial Engineering Department; March 1988-2002.

Department of Industrial Engineering Representative to the College of Engineering Council; 1989-1992

Graduate Faculty Member; January 1988-2002

Member of the College of Engineering Implementation Committee on General Education Requirements; 1990 -2002

Member of the College of Engineering Dean Search Consultative Committee; 1990-19991

Member of the President’s Student Life and Support Task Force; 1990-1992

Member of the College of Engineering Mathematics Review Committee; 1992 -1994

### **Community Activities**

Invited guest speaker “Manufacturing in the 21<sup>st</sup> Century”; Dupage Community College; 2003 and 2005

Invited guest speaker “Manufacturing in the 21<sup>st</sup> Century”; Elgin Community College; 2005

Technical Judge; Miami-Dade Middle and High School Science and Technology Fair; 1997- 2002

Invited guest speaker “Manufacturing Career”; Miami, Senior High School; 1999

Invited guest speaker “Manufacturing Education”; Miami-Dade Community College; 1991, 1995, 2000

Invited guest speaker, Miami Chamber of Commerce “Computer Aided Manufacturing Technologies”; 1990

Invited guest speaker; SME/IIE Miami Chapters; 1985, 1989, 1992, 1995, 1999

## **HONORS AND AWARDS**

Nominated SME Fellow, 2008

Excellence in Teaching Award, University of Miami, 1994

Nominated for the Society of Manufacturing Engineers, “Outstanding Young Manufacturing Engineer Award”, 1993

Honor Certificate for contribution as Director to the SME Senior Chapter, 1991

Honor Certificate for contribution as SME Student Chapter advisor, 1991

Elected in the Distinguished Professors Highlight, University of Miami, 1991

Nominated for the “Knight Junior Faculty Fellow” Award, 1990

Honor Certificate for creative problem-solving competition, provided by OM Association, Inc., 1986

Honor Certificate for engineering education, provided by: IIE, March 1985

University of Nebraska, Industrial Engineering Department, Teaching Assistantship, 1980-1983