

BRIEF PROFESSIONAL RECORD OF DR. GHORASHI



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KEY WORDS:

TECHNOLOGY MANAGEMENT, AGILITY, AGILE MANUFACTURING, JIT, KAIZEN, R&D AND SYSTEM FOCUS, FAST RESPONSE, VIRTUAL ORGANIZATIONS, AGILITY ASSESSMENT

EDUCATION:

Ph.D. Chemical Engineering - The Ohio State University

M.S. Chemical Engineering - The Ohio State University

B.S. Chemical Engineering - Wayne State University

EXPERIENCE:

Professor of Engineering, 1978 – Present, Cleveland State University

Assistant Dean of Research, Fenn College of Engineering, CSU, 1991 - 1993.

Graduate Program Director, Chemical Engineering Dept., CSU, 1994 - 1996.

Chairman, DIV Focus Group, Ohio Aerospace Institute, 1990-98.

Board of Trustees, Faculty Representative, CSU, 1986-1987.

Chairmanship of many university committees including: College of Engineering Graduate Affairs, Faculty Affairs, Personnel Action, and University Financial Aid.

Faculty Representative to the University Board of Trustees Committees on Finance, Buildings and Grounds, Development Foundation, Student Affairs and Academic Affairs.

NASA Summer Faculty Appointments

Ohio Aerospace Institute Appointments: Focus Group Chairman, Collateral Faculty

CURRENT APPOINTMENT

1991-Present Full Professor of Chemical Engineering with tenure, CSU

PUBLIC SPEAKING/PRESENTATIONS

Over 50 presentations at national and international conferences, industry seminars, NASA, scientific and educational forums, invited lectures and presentations including presentations at Oxford University, Cambridge University, University of California Berkeley, and Stanford Univ. Participated in CSU Speaker's Bureau. Also, held many educational and research workshops.

COLLABORATIVE EFFORTS/ INDUSTRY & RESEARCH INSTITUTIONS

The following companies and research institutions have participated in several of my research and project initiatives: Lubrizol Corporation, Brewer-Garrett Corporation, B.F. Goodrich Specialty Chemicals, B.F. Goodrich Aerospace Division, Research Organic, Loctite

Corporation, Ohio Aerospace Institute, Avery International, AMC (CAMP), NASA, and General Electric. Additionally, collaborative projects were conducted with California State University Sacramento and Case Western Reserve University.

TELEVISION EXPERIENCE

Teaching of a graduate level course at the television studios of Cleveland State University for the benefit of employees of local industry who could not regularly attend the campus facility. Also, participated in the Planning Stage of the Ohio Aerospace Institute (OAI) Educational Telenetwork Teaching Program. OAI, in concert with nine Ohio universities, developed an educational telenetwork program. Also, developed several studio techniques for teaching of a media technical course.

CONFERENCE CHAIRMANSHIP

Co-chairman, American Society of Mechanical Engineers, Fourth International Conference on Laser Anemometry, 1991.
Additionally served as session chairman and invited session chairman at many national and international conferences.

PUBLISHED WORKS

- Published over 60 research papers, edited three books (three volumes of Laser Anemometry/Advances and Applications), made several contributions to books, in addition to many published reports.
- One of the participating authors of Technology Vision 2020/ the U.S. Chemical Industry Report, currently used by a major consulting firm for training purposes. The report studies the factors affecting the competitiveness of the industry in a rapidly changing business environment and set out to develop a vision for its future. The report outlines the current state of the industry, a vision for tomorrow, and the technical advances needed to make this vision a reality.

NATIONAL TASK FORCE MEMBERSHIP

Member of the Cleveland Panel of the National Center for Post-secondary Improvement, A collaborative research venture among Stanford University, University of Pennsylvania and University of Michigan. Dr. Ghorashi is a participant in the Cleveland panel of NCPI, 1997-Present.

Served as a member of the Technology and Manufacturing Competitive Task Group. Members of the task group included the American Institute of Chemical Engineers, The American Chemical Society and The Chemical Manufacturer's Association. The TMCTG considered the input provided by these task force groups to develop a road map for industry and government to follow and to help create a unified vision for the industry.

REVIEWER (JOURNALS AND SYMPOSIUMS)

- American Chemical Society, The Petroleum Research Fund
- Invited Reviewer, Industrial and Engineering Chemistry Research, American Chemical Society, 1988.
- Invited Reviewer, International Journal of Energy Systems, 1985.

- AIAA Air Breathing Propulsion Technical Committee Session, AIAA 27th Aerospace Sciences Meeting, 1988.
- Fourth International Conference on Laser Anemometry, August 1991.

MEDIA RECOGNITIONS AND PROFILES

Northern Ohio Live Magazine, April 1991.

Cleveland Plain Dealer, Cleveland's Daily Newspaper, August 6, 1991.

News Release from Whelan Communications, Inc. to all Major News Agencies Nationwide (Laser Conference), July 1991.

Small Business News/Cleveland, August 1992.

On Campus, Cleveland State University Newspaper.

OAI Update, Ohio Aerospace Institute Newsletter, Vol. 2, No. 4, 1991.

Focus on Fenn, Fenn College of Engineering Newsletter, Vol. 1, No. 2, 1991.

ChEdition, CSU Chemical Engineering Department Newsletter, Vol. 1, No. 1, 1989.

HONORS AND AWARDS

Many awards, recognitions, and commendations, among them:

- Certificate of Commendation from The Ohio House of Representatives, the 112th General Assembly of Ohio "...A Remarkable Individual, Combining Community Concern and Commitment With Selfless Initiative to Become A Dynamic Force in The University Area ... With Admirable Dedication You Have Directed Yourself Toward Meaningful Involvement in Your Field of Study and Research and as A Result You Have Gained The Respect of The Entire Community ... Your Many Accomplishments Have Earned You The Esteem of All Those With Whom You Have Worked and Have Helped to Guarantee A High Level of Success for All Organizations With Which You Have Been Involved ... We Congratulate You for Your Contributions and Salute You as One of Ohio's Finest Citizens." Representatives Mike Stinziano and Vern Riffe, Speaker of the Ohio House of Representatives.
- Recognized by the President of the Ohio Aerospace Institute as "One of the key participants in the creation of OAI".
- The National Aeronautics and Space Administration and the American Society for Engineering Education Certificate of Recognition for Research Contributions Made Through the 1987 and 1988 Summer Faculty Fellowship Programs.
- Letter of Appreciation from the Interim Director of Research and Academic Affairs at the Ohio Aerospace Institute for Service to OAI as an On-site Faculty During the January to June 1990 period, "...over the past year you have done a marvelous job of assisting with the OAI program. There is no question that the DIV Focus group would not have been able to get off to its 'flying start' were it not for your enthusiasm. What is more, your work as a campus coordinator has been exemplary. Speaking for OAI, we deeply appreciate your efforts and obviously look forward to your continued participation."
- Graduate School Leadership Award from the Graduate School of the Ohio State University.

INTERNATIONAL EXPERIENCE

(Presentations, Invited Lectures and Attendance at Workshops and Symposiums)

- Sydney, Australia ,1992
- Taipei, Taiwan, 1991
- Cambridge, England, 1987
- Orlean, France, 1990
- Lisbon, Portugal, 1990
- Oxford, England, 1987
- London, England , 1987
- Toronto, Canada, 1988
- Manchester, England , 1987

Former member of the American Institute of Chemical Engineers International Activities Committee.

COMMUNITY SERVICE, ADVISORY GROUPS & PROFESSIONAL ORGANIZATIONS

Served in local community groups such as Steering Committee for Architectural/Design Standards, Ad Hoc Committee on Industrial Design and Standards; advisory groups, professional organizations such as engineering and science societies, and collaborative efforts such as participation in the development of the NASA/Battelle Center for Commercialization of Space.

CURRENT AND RECENT PROJECTS

- Application of Agile Manufacturing Techniques to Small-Intermediate Size Industries
- Agility and Strategic Planning in Adhesive Industry
- Application of Just-In-Time Principles to the Chemical Process Industry
- JIT Applied to Aerospace and Specialty Chemicals Industries
- A Comparison of Traditional and Integrated Research and Development Methodologies
- Development of A Gap Assessment Strategy for R&D Management
- On the Influence of Automation, Integration and Process Control Technology on Agility/ Continuous and Batch Manufacturing Operations

BRIEF BIOGRAPHICAL SKETCH



Dr. Bahman Ghorashi is professor of Chemical Engineering and former Assistant Dean of Research at Cleveland State University. He has been an educator for over twenty-three years and has worked with thousands of college students during this period. He received his bachelor degree from Wayne State University and his masters' and Ph.D. degrees from The Ohio State University. Dr. Ghorashi has authored and co-authored over sixty publications in science and education. He has traveled extensively through four continents and has presented his research findings at many universities, professional societies, symposia, conferences, and forums.

Dr. Ghorashi has been frequently invited to make presentations in industry and academia and his work has been featured in several newspaper and magazine articles. He is a reviewer for several scientific journals as well as the American Chemical Society, Petroleum Research Fund and has co-edited three volumes of an international conference proceedings. He has served with distinction in many scientific, academic, and civic consortiums, committees, councils, boards, and advisory groups and is the recipient of numerous awards and recognitions.