

Curriculum Vitae

Michael J. Arnold

EXPERTISE:

Corporate Management, Business Finance, New Venture Strategies, Strategic Planning, International Business.

EXPERIENCE:

Engineering College, Department of Systems & Industrial Engineering, University of Arizona, Tucson, Arizona

Director- Engineering Management Program

August 2007 – Present

Associate Director- Engineering Management Program

August 2004 – July 2007

Tucson Technology Incubator, Inc., University of Arizona Science & Technology Park, Tucson, Arizona

Vice President- September 2002 – January 2003

Responsible for guiding incubator client companies towards the creation of successful business plans including attracting funding and launch.

Eller College of Management, University of Arizona, Tucson, Arizona

Associate Director, Entrepreneurship Program 1998 – 2001

Responsible for directing the entrepreneurship program for graduate and undergraduate students including business plan preparation and presentation.

Modular Mining Systems, Inc., Tucson, Arizona

Chief Executive Officer 1978 – 2000

Mike founded Modular in 1978 in response to market demands for mine management technology. Modular's flagship technology, a computerized mine management system, grew to a dominant 86% market share. He was responsible for the strategic planning leading to Modular's acquisition in 1996 by Komatsu Inc., a major Japanese manufacturer of mining and construction equipment.

University of Arizona, Tucson, Arizona

Instructor of Chemical Engineering 1976 – 1978

EDUCATION:

M.S. Chemical Engineering, University of Arizona, May 1977

B.S. Chemical Engineering, University of Arizona, May 1972

CONTINUING EDUCATION:

Symposium for Entrepreneurship Educators - 1986, 1987 & 1998,
Price-Babson College Fellows Program, Wellesley, Massachusetts.

Export-Import Bank Trade Finance Symposium– 1985, Washington, DC

SERVICE:

Treasurer – Community Finance Corporation, Tucson, AZ 1995 - Present
Adjunct Instructor of Business, Karl Eller Center, University of Arizona, 1987 - 1990
Anheuser-Busch Entrepreneur in Residence, Karl Eller Center, College of Business and Public Administration - 1996/1997 academic year
Member - Industrial Advisory Council, College of Engineering and Mines, University of Arizona, 1986 - Present
Board Member - Greater Tucson Economic Council, 1991 - 1995
Member - US Department of Commerce Arizona District Export Council, 1990 - Present
Member – Business Development Finance Corporation of Tucson, 1988 – Present
Member – Professional MS Board, College of Science, University of Arizona, 1999 - Present

AWARDS:

President’s “E” Award to recognize export sales growth - 1992
U.S. Department of Commerce, Arizona Outstanding Export Award for 1987
Named #180 on the INC. Magazine List of the 500 fastest growing private businesses in the United States for 1987

SOCIETIES:

American Society for Engineering Management, Member
American Institute of Chemical Engineers, Member
American Institute of Mining Engineers, Member

PUBLICATIONS:

M. J. Arnold & G. H. Geiger, “A New Framework for Engineering Economics”, 27th Annual American Society for Engineering Management (ASEM) National Conference, Huntsville, AL, paper #106 pp 1-4, October 2006.

M. J. Arnold, “Engineer to Entrepreneur: Making the Career Enhancing Transition”, IEEE Today’s Engineer, September, 2002

M. J. Arnold, "Computer Dispatching Advances Mining Technology", American Mining Congress International Mining Show Compendium, April 26, 1988. Reprinted: American Mining Congress "Washington Concentrates", (24) pp. 12-13, June, 1988

M. J. Arnold and J. W. White, "Computer DISPATCHing Improves Open Pit Mining Efficiency", Invited paper for American Mining Congress International Mining Show; Las Vegas, Nevada, October 1986.

M. J. Arnold and J. W. White, "Computer-based Truck Dispatching", World Mining, (4), pp. 53-57, April 1983.

M. J. Arnold and J. W. White, "An Overview of Computer-Based Dispatching", Canadian Institute of Mining, District 2, September 1982.

J. W. White, M. J. Arnold and J. G. Clevenger, "Automated Open Pit Truck Dispatching at Tyrone", Engineering & Mining Journal, (6), pp. 76-84, June 1982.