

VITA

NAME: Chand Midha

PRESENT RANK: Fellow, American Statistical Association
Interim Dean, Buchtel College of Arts and Sciences
Associate Provost for Academic & Financial Affairs
Professor and Chair, Department of Statistics
Liaison Officer to NEOUCOM
Director, Center for Statistical Consulting
The University of Akron
Akron, Ohio 44325-1913
(330) 972-7128

EDUCATIONAL DATA:

2003 – MDP Management Development Program – Harvard University, Cambridge, MA
1980 - Ph.D. Statistics - Iowa State University, Ames, IA
1973 - PG Diploma Agricultural Statistics - Indian Agricultural Statistics Research
Institute
1972 - M.S. Agricultural Statistics - Indian Agricultural Statistics Research
Institute

PROFESSIONAL EXPERIENCE:

2009-Present Interim Dean, Buchtel College of Arts and Sciences
2004-Present University of Akron Liaison Officer to Northeast Ohio University College
of Medicine (NEOUCOM)
2004-Present Associate Provost, Academic & Financial Affairs, Office of the Senior Vice
President and Provost, The University of Akron
Fall 2003 Faculty Fellow, Academic Affairs
Office of the Senior Vice President and Provost, The University of Akron
2002 – 2003 Coordinator, Academic Financial Affairs
1998 – Present Professor and Chair, Department of Statistics, The University of Akron,
Akron, Ohio
1992 - Present Director, Center for Statistical Consulting, Department of
Statistics, The University of Akron, Akron, Ohio

1996 – 1998	Professor, Department of Mathematical Sciences, (renamed the Department of Mathematics and Computer Science)The University of Akron, Akron, Ohio
1986 - 1998	Statistics Program Coordinator, Department of Mathematical Sciences (renamed the Department of Theoretical and Applied Mathematics), The University of Akron, Akron, Ohio
1986 - 1996	Associate Professor, Department of Mathematical Sciences, The University of Akron, Akron, Ohio
1983 - 1986	Assistant Professor, Department of Mathematical Sciences, The University of Akron, Akron, Ohio
1980 - 1983	Visiting Assistant Professor, University of Florida, Gainesville, Florida

RESEARCH, PUBLICATIONS, AND SCHOLARLY ACTIVITIES:

Research Interests:

Experimental Designs, Survey Sampling, Quality Control, and General Theory.

Publications:

“On a Method to Construct Magic Rectangles of Even Order,” (with Ashish Das, J. de los Reyes, and P. Vellaisamy), *Utilitas Mathematica*, 2009.

“Trend Free Block Designs for Diallel Cross Experiments,” (with F. S. Chai, Ashish Das, A. Dey), *Statistics and Applications*, Vol. 4, pp. 75-82, 2009.

“On a Method to Construct Magic Rectangles of Odd Order,” (with Ashish Das, J. de los Reyes, and L.Y. Chan), *Statistics and Applications (New Series)*, Vol. 6, pp. 17-24, 2008.

“A Matrix Approach to Construct Magic Rectangles of Even Order,” (with J. de los Reyes and A. Das), *Australian Journal of Combinatorics*, Vol. 40, pp. 39-45, 2008.

“Construction and Use of Magic Squares and Magic Rectangles,” (with J. de los Reyes, A. Pourdarvish, and A. Das), *Statistics and Applications, New Series* Vol. 4, pp. 39-45, 2006.

“Allocating Factors to the Columns of an Orthogonal Array When Certain Interactions are Important,” (with A. Dey and A. Das), *Journal of Statistics and Probability Letters*, Vol. 76, pp. 1570-1577, 2006.

“On Some Efficient Partial Diallel Cross Designs,” (with H. Ghosh and A. Das), *Journal of Statistics and Probability Letters*, Vol. 76, pp. 1768-1774 (2006).

“Optimal Designs for Diallel Crosses,” (with H. Ghosh and A. Das). *Sankhya Journal*, Vol. 67, Part 4, pp. 788-797, 2005.

"On a Property of Orthogonal Arrays and Optimal Blocking of Fractional Factorial Plans" (with A. Das and A. Dey). *Metrika, International Journal of Theoretical & Applied Statistics*, Vol. 57, pp. 127-136, 2003.

"Evaluation of Certain Covariances in Finite Population Sampling" (with M.C. Agrawal). In journal "Student," published by Statistics Group, University of Neuchatel, Switzerland, Vol. 4, Number 4, pp. 235-238, 2003.

"Efficient Estimators of Different types for Domains" (with M.C. Agrawal). Refereed paper published in *Advances in Statistics Combinatorics and Related Areas*, World Scientific, ISBN 981-238-201-1, pp. 1-10, 2002.

"A Note on the Construction of Group Divisible Designs." *Journal of Applied Statistics and Data Analysis*, Vol. 3, pp. 117-120, 2001.

"On the Construction of Asymmetric Orthogonal Arrays" (with Aloke Dey). Special publication of AP Academy of Sciences in honor of 80th Birthday of C.R. Rao, Vol. 5, pp. 39-42, 2000.

"A Generalized Formula for Variance in Unequal Probability Sampling" (with S.H. Biyani). *CSA Bulletin*, 48, pp. 241-243, 1999.

"Construction of Nested Incomplete Block Designs" (with Aloke Dey and G.M. Saha). *CSA Bulletin*, 48, pp. 195-205, 1999.

"Addition or Deletion" (with Aloke Dey). *Journal of Statistics Probability Letters*, Vol. 37, pp. 409-414, 1998.

"A Note on Resolvable Incomplete Block Designs" (with Aloke Dey). *Journal of Indian Statistical Association*, Vol. 34, pp. 81-84, 1997.

"Efficiency of the Residual Design Under the Loss of Observations in a Block" (with Dey and Buchthal). *Golden Jubilee Issue of Journal of Indian Society of Agricultural Statistics*, Vol. 50, pp. 237-248, 1997.

"Optimal Block Designs for Diallel Crosses" (with Aloke Dey). *Biometrika*, Vol. 83, pp. 484-489, 1996.

"Construction of Some Asymmetrical Orthogonal Arrays" (with Aloke Dey). *Journal of Statistics and Probability Letters*, Vol. 28, pp. 211-217, 1996.

"Statistical Analysis of Olefins Yield in Fixed Bed Conversion of Dimethyl Ether" (with Sardesai, et. al.). *Fuel Science and Technology International*, 14(5), pp. 669-684, 1996.

"Preliminary Statistical Analysis of PAH-Contaminated Soils" (with Cutright and Lee). *Energy Sources*, Vol. 18, pp. 51-56, 1996.

"Cyclic Group Divisible Designs" (with Aloke Dey). *Calcutta Statistical Association Bulletin*, Vol. 45, pp. 253-257, 1995.

"How - and How not - to Implement Content and Experiences in Statistical Education – Discussion." Modern Interdisciplinary University Statistical Education, National Academy Press, pp. 67-69, 1994.

"Statistical Analysis of Reaction Rate Data of Liquid Phase Synthesis of Dimethyl Ether from Methanol" (with Lee and Gogate). Fuel Science & Technology International, 11 (9), pp. 1251-1268, 1993.

"Horvitz-Thompson Estimator and Estimates of its Variance." Proceedings of the ASA on Survey Research Methods, pp. 449-452, 1988.

"Improving the Manufacturing Process with EVOP." Transactions of the 28th Annual Conference of the American Society for Quality Control and Akron Quality Council, pp. 1-4, 1985.

"An Empirical Study of Stabilities of Variance Estimators II." Proceedings of the ASA on Survey Research Methods, pp. 334-337, 1985.

"An Empirical Study of Stability of Variance Estimators I." Bulletin of International Statistical Institute, Vol. 1, pp. 251-252, 1985.

"Interval Estimation in Unequal Probability Sampling." Proceedings of American Statistical Association, pp. 261-268, 1981.

"Contributions to Survey Sampling and Design of Experiments." Ph.D. Dissertation, Iowa State University, Ames, Iowa, 1980.

"Generalized Balanced Matrices and Their Applications" (with Aloke Dey). Utilitas Mathematica, Vol. 10, pp. 139-149, 1978.

"On a Class of PBIB Designs" (with Aloke Dey). Sankhya: The Indian Journal of Statistics, Vol. 36, Series B, pp. 320-322, 1974.

"On Construction of Group Divisible and Rectangular Designs" (with Aloke Dey). Journal of Indian Society of Agricultural Statistics, Vol. 26, pp. 14-18, 1974.

GRANTS:

New3 Federal Technology Innovation Challenge Grant \$15,000, 2001.

Urban University Program Grant, \$2,500, 1996

Barberton Citizens Hospital, \$2,000, 1995

ABSTRACTS:

"A Note on Resolvable Incomplete Block Designs," American Statistical Association, pp. 323, 1997.

Optimal Design Review (with David Schwarz), American Statistical Association, pp. 55, 1990.

"Jackknifing and Its Relation to Bootstrapping," American Statistical Association, pp. 41, 1989.

"Non-Response Bias in Survey Sampling," American Statistical Association, 87, pp. 12, 1987.

"Estimation of Corporation Debt Capacity - An Extension," Midwest Finance Association, pp 22, 1986.

"Cyclic and Partially Cyclic Group Divisible Designs," American Statistical Association, Vol. 144, pp. 187, 1984.

CONFERENCE PAPERS PRESENTED:

Presented a paper in the oral scientific program at the 55th Session of the International Statistical Institute (ISI) in Sydney, Australia from April 4-12, 2005. The paper, presented with Dr. Ashish Das, was titled, "On A- and D-Efficiencies of Partial Diallel Crosses." Also chaired an invited paper session at the conference.

Participated as a panelist at the 2003 Annual Meeting of the Council of the Colleges of Arts & Sciences in Orlando, Florida for a session entitled, "Outcome Assessment: Philosophy, Prognosis and Practice."

University of Delhi, New Delhi, 2001.

International Conference on Teaching and Research in Statistics for the 21st Century, New Delhi, India, 2000.

Indian Agricultural Statistics Research Institute Conference, 1999.

Annual American Statistical Association Meeting, 1997

Indian Statistical Institute, 1994

Annual American Statistical Association Meeting, 1981, 1984, 1985, 1986, 1987, 1989, 1990

The Second International Tampere Conference in Statistics, Finland, 1987

COLLOQUIA PRESENTED:

Iowa State University, Ames Iowa

The University of Akron, Akron, Ohio

University of California, Riverside, California

Bowling Green State University, Bowling Green, Ohio

Oklahoma State University, Stillwater, Oklahoma

Miami University, Oxford, Ohio

Ohio State University, Columbus, Ohio

Cleveland State University, Cleveland, Ohio

Indian Statistical Institute, New Delhi, India

Indian Agricultural Statistics Research, New Delhi, India

CONFERENCES COORDINATED:

Ohio Statistics Conference, The University of Akron, Akron, Ohio, 2000

International Conference on Teaching and Research in Statistics for the 21st Century, New Delhi, India, 2000

Ohio Statistics Conference, The University of Akron, Akron, Ohio, 1989

CONFERENCES ATTENDED:

Higher Learning Commission Annual Meeting, Chicago, Illinois, 2008.
Council of Colleges of Arts and Sciences Annual Meeting, Chicago, Illinois, 2007.
AAC&U Annual Meeting, New Orleans, Louisiana, 2007.
Joint Statistical Meeting, Seattle, Washington, 2006.
Council of Colleges of Arts and Sciences Annual Meeting, Vancouver, Canada, 2005.
International Statistical Institute Meeting in Sydney, Australia, 2005.
AAC&U Liberal Education and the New Academy Conference, San Francisco, California, 2005.
American Statistical Association Committee on Committee Annual Meeting in Washington, DC, 2005.
AAHE Meeting in Atlanta in March 2005.
AAC&U Greater Expectations Institute Campus Leadership for Student Engagement, Inclusion and Achievement, Utah, 2004.
Joint Statistical Meetings in Toronto, Canada, 2004.
American Evaluation Association Conference, Atlanta, Georgia, 2004.
Council of the Colleges of Arts & Sciences Annual Meeting, San Antonio, 2004.
Council of the Colleges of Arts & Sciences Annual Meeting, Orlando, Florida, 2003
Joint Statistical Meetings, San Francisco, California, 2003
Committee on Committees Annual Retreat, Alexandria, Virginia, 2003
Annual Institutional Research Conference, Tampa, Florida, 2003
Joint Statistical Meetings, New York, New York, 2002
Committee on Committees Annual Retreat, Alexandria, Virginia, 2002
10th AAHE Conference on Faculty Roles and Rewards, Phoenix, Arizona, 2002
SAS Users Group International, 26th Annual Conference, California, 2001
Ohio Statistics Conference, Miami, Oxford, Ohio, 2001
American Association of Higher Education Conference, Denver, Colorado, 2001
NCA Annual Meeting, Chicago, Illinois, 2001
Joint Statistical Meetings, Indianapolis, Indiana, 2000
International Conference on Teaching and Research in Statistics for the 21st Century, New Delhi, India, 2000
Academic Chairperson's Conference, Orlando, Florida, 1999
National Invitational Learning Outcomes and Assessment Workshop, Tempe, Arizona, 1999
Joint Statistical Meetings, Baltimore, Maryland, 1999
Beyond the Formula Statistics Conference, Rochester, New York, 1999
Ohio Statistics Conference, Columbus, Ohio, 1999
International Conference on Survey Nonresponse, Portland, Oregon, 1999
IISA 1998, International Conference, Hamilton, Ontario, Canada, 1998
International Conference on Teaching of Statistics, Singapore, 1998
American Association of Higher Education Conference on Assessment and Quality, Cincinnati, Ohio, 1998
Conference on Statistics for 21st Century, Bowling Green, Ohio, 1998
Ohio Statistics Conference, Bowling Green, Ohio, 1997
Winter Meeting of the Columbus Actuarial Club, Columbus, Ohio, 1997
NCA Annual Meeting, Chicago, Illinois, 1996, 1997, 1998
Annual American Statistical Association Meeting, Anaheim, California, 1997
50th Anniversary Conference of Iowa State University, Ames, Iowa, 1997
International Conference on Computer-Assisted Survey Information Collection, San Antonio, Texas, 1996

American Association of Higher Education Conference on Assessment and Quality,
Washington, DC, 1996
Annual American Statistical Association Meeting, Chicago, Illinois, 1996
Ohio Statistics Conference, Cleveland, Ohio, 1996
Ohio Statistics Conference, Columbus, Ohio 1995
American Association of Higher Education Conference on Assessment and Quality,
Boston, Massachusetts, 1995
Annual American Statistical Association Meeting, Orlando, Florida, 1995
Ohio Statistics Conference, Cincinnati, Ohio, 1994
NSF Invitational Conference, Washington, DC, 1994
Annual American Statistical Association Meeting, San Francisco, California, 1993
Annual American Statistical Association Meeting, Atlanta, Georgia, 1991
Ohio Statistics Conference, Columbus, Ohio, 1991
Ohio Statistics Conference, Cincinnati, Ohio, 1990
From Observation to Inference, Ames, Iowa, 1989
Statistical Quality and Productivity Improvement, Cleveland, Ohio, 1989
Winter Conference of ASA, San Antonio, Texas, 1988
Annual American Statistical Association, Chicago, Illinois, 1986
Annual American Statistical Association, Las Vegas, Nevada, 1985
NSF-CBMS Conference in Multivariate Estimation, Gainesville, Florida, 1985
Annual American Statistical Association, Philadelphia, Pennsylvania, 1984
Annual American Statistical Association, Cincinnati, Ohio, 1982
Annual American Statistical Association, San Diego, California, 1978

UNIVERSITY SERVICE:

2008-2009	Ohio Board of Regents Higher Ed Funding Commission
2007-2009	University Benefits & Wellness Committee
2007-Present	Co-chair of the Administrative Program Review Committee
2005-Present	University Budget Committee
2005-2006	Bargaining Committee for first AAUP contract.
2005	Arts & Sciences Dean Search Committee Co-Chair
2004-Present	Serve on the Operations Advisory Committee
2004-Present	Serve on the Academic Program Assessment Committee
2004	Serve as Chair of the Search Committee for Director of Institutional Research
2003-Present	Chair of the Program Review Committee
2003	Serve as chair of the Academic Salary Affairs Task Force
2002 – Present	Decision Making/Recommending Entities Task Force
2002 – Present	Dean's Advisory Committee, Buchtel College of Arts & Sciences
2001 – Present	Advisory Committee, McNair Scholars Program
2001 – Present	Co-Chair, Student Assessment Task Force (SATF)
1999 – Present	President's Commission on Equity
1998 – Present	Teaching Academy Steering Committee
1993 - Present	Academic Policy and Calendar Committee
1987 - Present	Student Advisory Committees for Graduate Students
1999 – 2001	Senate Executive Committee
1994 – 2001	Chair, Student Assessment Task Force (SATF)
1994 - 2001	Faculty Coordinator - Student Outcomes Assessment
1994 - 1995	Vice Chair, Budget Coordination Committee

1993 - 2001	Faculty Senate
1986 - 1998	Statistics Program Coordinator, Department of Mathematical Sciences
1986 - 1998	Department Mathematical Sciences Executive Committee
1997 - 1998	University of Akron President's Search Committee Advisory Group
1994 - 1997	NCA Self-Study Steering Committee
1993 - 1997	Sexual Harassment Network - Arts & Sciences
1993 - 1997	Diversity Council
1990 - 1997	Associate, Process Research Center
1993 - 1996	Budget Planning and Coordination Committee
1994 - 1995	General Studies Advisory Committee
1992 - 1993	Buchtel College of Arts and Sciences Dean Search Committee
1990 - 1992	Department Head Search Committee, Chair
1989 - 1991	Buchtel College Council Representative
1989 - 1990	Departmental Search Committee, Chair
1985 - 1986	Department Search Committee, Secretary
1985 - 1986	Departmental Initial Appointment Committee, Secretary
1984 - 1985	Departmental Graduate Faculty Committee, Secretary

CURRICULUM DEVELOPMENT:

Introduced New Courses:

- 3470:462/562 - Applied Statistics II
- 3470:465/565 - Design of Sample Surveys
- 3470:475/575 - Foundations of Statistical Quality
- 3470:495/595 - Statistical Consulting

MASTER'S THESIS OR PAPERS DIRECTED:

- Justin Kimmel – "Sampling Techniques Under Consideration for Census Enumeration," 1999.
- Lori Kaserman - "Violence in Northeast Ohio High Schools: Design and Analysis of a Survey," 1997.
- Umran Avcilar - "Balanced Incomplete Block Designs," 1997.
- Keding Hua - "Statistical Analysis of China's Rural Reforms," 1995
- Shaohua Wang - "Hansen and Hurwitz's Nonresponse Subsampling Method and El-Badry's Extension," 1995
- Steve Ash - "Logistic Regression," 1994
- Makrand Gogate - "Liquid Phase Synthesis Data Analysis," 1993
- Min Lin - "Analysis of Test Scores," 1992
- Quinjie Chen - "Bootstrap Confidence Intervals," 1992
- Ahmed Stititou - "Sampling Frame for Household Surveys," 1991
- David Schwarz - "Optimal Design Review," 1990
- Voula Sdraka - "Variance Reduction Techniques," 1989
- Pam Miller - "EVOP," 1989
- Yinpu-Chen - "Jackknife and Boot-Strap Methods," 1988
- Bill Bleau - "Off-Line Quality Control and Taguchi Method," 1987
- David J. Kitska - "Effects of Nonresponse Bias and Corrective Techniques," 1985
- F. R. Stockum - "Lightning Current in Distribution Arresters," Fall 1985

CONSULTING:

- Summit County Educational Service Center
- Barberton Citizens Hospital

Office of the President, The University of Akron
Aultman Hospital
Matco Tools
Process Research Center
Department of Finance - The University of Akron
Department of Accounting - The University of Akron
Department of Chemical Engineering - The University of Akron
Department of Biomedical Engineering - The University of Akron
College of Nursing - The University of Akron
College of Education - The University of Akron

MEMBERSHIPS:

International Statistical Institute
American Statistical Association
Indian Society of Agricultural Statistics
Mu Sigma Rho

HONORS AND AWARDS:

Serve on the American Statistical Association Executive Committee, 2004-2006

Received the highest statistical honor by being nominated a Fellow of the American Statistical Association (ASA), 2004.

Elected Member, International Statistical Institute, 2001

Committee on Committee Membership, American Statistical Association 2000-2003

Greek Alumni Council Faculty Appreciation Award, 2001.

Graduate Assistantship - Iowa State University - 1974-1980

Senior Research Fellowship - Indian Council of Agricultural Research - New Delhi, India,
1972-1973

Gold Medal for being judged as the best Post-Graduate Diploma Student for the year
1972-1973

Research Fellowship - Indian Council Agricultural Research - New Delhi, India,
1970-1972

REVIEWER/REFeree:

Book Reviewer - Technometrics
Book Reviewer - Wadsworth, PWS-Kent, Prentice-Hall, Wiley
Book Reviewer - Journal of American Statistical Association
Referee - Technometrics
Referee - Communications in Statistics
Referee - Mathematical Reviews (MR)