



CLAIRE C. GORDON, PH.D.

SENIOR RESEARCH SCIENTIST (BIOLOGICAL ANTHROPOLOGY)

NATICK SOLDIER RESEARCH, DEVELOPMENT AND ENGINEERING CENTER

Dr. Claire C. Gordon was selected to a Scientific and Professional position in August 2002 and she serves as Senior Research Scientist (Biological Anthropology) at the US Army Natick Soldier Research, Development, & Engineering Center. She is responsible for basic and applied research dealing with the accommodation of human physical variation in the design, development, and fielding of military systems. She provides scientific input/advice to senior managers, represents Natick in scientific forums, and mentors Natick scientists and engineers. Dr. Gordon also chairs the Natick Scientific Review Committee for Human Research Protocols and National/International Standardization Committees in Anthropometry & Biomechanics. Additionally, she serves as subject matter expert to Department of Army, Department of Defense, other Government agencies, academic, and industrial organizations performing work relevant to Department of Army objectives.

CAREER CHRONOLOGY:

- 1995 – 2002: Senior Research Anthropologist, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1994 – 1995: Acting Director, Science and Technology Directorate, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1993 – 1995: Chief, Behavioral Sciences Division, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1990 – 1993: Research Anthropologist, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1987 – 1990: Anthropology Team Leader, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1983 – 1987: Research Anthropologist, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA
- 1982 – 1983: Research Coordinator, Section of Human Genetics, Northwestern University Medical School, Chicago, IL
- 1981 – 1982: Laboratory Instructor, Comparative Primate Anatomy, Northwestern University, Evanston, IL
- 1980: Research Associate (Physical Anthropology and Archeology), Pacific Studies Institute, Agana, Guam
- 1977 – 1978: Teaching Assistant, Field Methods in Mortuary Archeology, Human Origins, New Directions in Archeology, Northwestern University, Evanston, IL
- 1975: Supervisor, Human Osteology Laboratory, Foundation for Illinois Archeology, location

COLLEGE:

- Ph.D., Biological Anthropology, Northwestern University, 1982
- MS, Biostatistics, Harvard School of Public Health, 1990
- MA, Biological Anthropology, Northwestern University, 1977
- BS, Biology, University of Notre Dame, 1976

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**AWARDS AND HONORS:**

- US Army Natick Soldier Research, Development and Engineering Center Technical Director's Gold Pin, 1988
- National Science Foundation Graduate Fellow, 1976 – 1979
- Sigma Xi (the Scientific Research Society), 1978
- Phi Beta Kappa, 1976
- 2008 Presidential Rank Award for Meritorious Senior Professionals;
- 2008 Best Paper Prize, International Congress of Physiological Anthropology, Delft, The Netherlands

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:

- American Association of Physical Anthropologists
- Human Biology Association
- Human Factors and Ergonomics Society
- Chair, International Standards Organization Technical Committee 159/SC3, Working Group 1, "Anthropometry"
- Adjunct Professor, Arizona State University School for Human Evolution and Social Change and Consortium for Science, Policy and Outcomes

MAJOR PUBLICATIONS:

- Claire C. Gordon, Thomas Churchill, Charles E. Clauser, Bruce Bradtmiller, John T. McConville, Ilse Tebbetts & Robert A. Walker (1989). *1988 Anthropometric Survey of U.S. Army Personnel: Methods and Summary Statistics*. NATICK/TR-89/044. Natick, MA: U.S. Army Natick Research, Development, and Engineering Center. (ADA225094)
- Claire C. Gordon and Bruce Bradtmiller (1992). "Interobserver Error in a Large-Scale Anthropometric Survey". *American J of Human Biology* V4(2): 253-263.
- Claire C. Gordon and Thomas M. Greiner (1993). "Biocultural Influences in the Analysis of Secular Trends". In: C.C.Gordon (ed) *Race, Ethnicity, and Applied Bioanthropology*, pp 22-33. Washington, D.C.: American Anthropological Association, NAPA Bulletin 13.
- Claire C. Gordon and Karl Friedl (1994). "Anthropometry in the U.S. Armed Forces". In: S.J. Ulijaszek and C.G.N. Mascie-Taylor (eds) *Anthropometry. The Individual and the Population*, pp. 178-210. Cambridge, UK: Cambridge University Press.
- Claire C. Gordon, Brian D. Corner, and J. David Brantley (1997). *Defining Extreme Forms for Designing Body Armor and Load Bearing Systems: Multivariate Analysis of Army Torso Data*. NATICK/TR-97/012. Natick, MA: U.S. Army Soldier Systems Command, Natick Research, Development, and Engineering Center. (ADA324730)
- Claire C. Gordon (2002). "Multivariate Anthropometric Models for Seated Workstation Design". In Paul T. McCabe (ed): *Contemporary Ergonomics 2002*, pp 582-589. London: Taylor & Francis.
- HFES 300 Committee (2004). *Guidelines for Using Anthropometric Data in Product Design*. Santa Monica CA: Human Factors and Ergonomics Society.