

CURRICULUM VITAE

Stephen D. Ousley

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Education

- 1979-1985 University of Maryland
College Park, Maryland
B.A., Anthropology, 5/1985
- 1985-1986 Universität Bremen
Bremen, Germany
Exchange student
German language and history
- 1989-1997 University of Tennessee
Knoxville, Tennessee
Graduate Program in Anthropology
M.A. 12/1993, Minor in Statistics
Ph.D. 8/1997

Current Academic Position and Professional Activities

- 7/2016- Associate Professor, Department of Anthropology/Archaeology, Department of Mathematics and Information Technology, Mercyhurst University, Erie, PA.
- 10/2015- Statistical and database programming consultant for "A Macromorphoscopic Databank: Establishing the Statistical Analysis of Macromorphoscopic Data in Forensic Anthropology" National Institute of Justice, Research and Development in Forensic Science for Criminal Justice Purposes, award number 2015-DN-BX-K012. October 2015 - December 2019, Michigan State University (\$423,959). Principal Investigator: Joseph Hefner, Michigan State University.
- 10/2014- Co-Principal Investigator. Award Title: Adult Age Estimated From New Skeletal Traits And Enhanced Computer-Based Transition Analysis. National Institute of Justice, Research and Development in Forensic Anthropology and Forensic Odontology. Award number 2014-DN-BX-K007. October 2014 – December 2019, Pennsylvania State University, University Park (\$501,047). Co-principal investigators: George Milner, Pennsylvania State University; Jesper Boldsen, Syddansk Universitet, Denmark.
- 5/2003 - Database and Computer Programming Consultant, (Archaeology) AMEC, Louisville, Kentucky.

Previous Positions and Professional Activities

- 3/2014-6/2016 Consultant for "Evaluation of Osteometric Measurements in Forensic Anthropology" National Institute of Justice, Applied Research and Development in Forensic Science for Criminal Justice Purposes, award number 2013-DN-BX-K038 (\$207,624). Principal Investigator: Natalie Shirley, Lincoln Memorial University.
- 7/2012-7/2016 Associate Professor, Department of Anthropology/Archaeology, Mercyhurst University, Erie, PA.
- 9/2013-7/2015 Statistical Consultant for "The Cultural and Biological Significance of Ethnic Substructure in New Mexican Hispanics". National Science Foundation, Division of Behavioral and Cognitive Sciences, award number 0962825 (\$327,915). Principal investigators: Heather Edgar and Keith Hunley, The University of New Mexico.
- 7/2007-7/2012 Assistant Professor, Department of Anthropology/Archaeology, Mercyhurst College, Erie, PA.
- 6/2010-6/2011 Database Application Programmer for *Osteoware*. Smithsonian Institution 2.0 Fund. Principal investigator: J. Christopher Dudar.
- 11/2007-9/2009 Bioarchaeology Consultant, Statistical Research, Inc., Tucson, AZ.
- 1/98-6/2007 Director, Repatriation Osteology Laboratory, Office of Repatriation, Department of Anthropology, National Museum of Natural History, Smithsonian Institution.
- 11/96-1/2005 Database and Computer Programming Consultant (Archaeology), Cultural Resource Analysts, Lexington, Kentucky.
- 8/89-7/96 Graduate Research Assistant: Database Manager, Database Programmer, Statistical Analyst, and Data Collector, Department of Anthropology, The University of Tennessee, Knoxville.
- 6/95 - 8/96 Computer Programming Consultant (Archaeology), Wilbur Smith Associates, Lexington, Kentucky.
- 3/94-5/96 Database Programmer for two National Science Foundation Collection Improvement grants, Department of Anthropology, The University of Tennessee, Knoxville.
- 8/93-9/93 Database Programmer and Statistical Consultant, Department of Anthropology, Smithsonian Institution.
- 5/91-8/91 Database Programming Consultant, University of Tennessee Transportation Center.
- 10/87-8/89 Collections Manager and Database Manager, Department of Neuropathology, Armed Forces Institute of Pathology, Washington, DC.
- 3/87-10/87 Museum Technician, Department of Anthropology, National Museum of Natural History, Smithsonian Institution.
- 6/82-7/82 Physical Anthropologist, summer excavations, Caesarea Maritima, Israel.

Grants and Awards

Gabriel W. Lasker Award for the best publication in the journal *Human Biology*) for the year 1995 (shared with Lyle Konigsberg).

Principal Investigator. Award Title: A Radiographic Database for Estimating Biological Parameters in Modern Subadults. National Institute of Justice, Research and Development in Forensic Anthropology and Forensic Odontology. Award number 2008-DN-BX-K152. October 2008 – December 2012, Mercyhurst College (\$294,000 total).

Co-Principal Investigator. Award Title: Recovery and Interpretation of Burned Human Remains. National Institute of Justice, Research and Development in Forensic Anthropology and Forensic Odontology. Award Number 2008-DN-BX-K131. October 2008 – December 2011, Mercyhurst College (\$399,240 total).

Sub-investigator. Award Title: Investigating an alternate approach to the determination of ancestry from unidentified skeletal remains. National Research Foundation, Republic of South Africa. Principal investigator: Erica N. L'Abbe, The University of Pretoria. January 2010 – January 2012 (289,000 Rand total).

Co-Principal Investigator. Award Title: Adult Age Estimated From New Skeletal Traits And Enhanced Computer-Based Transition Analysis. National Institute of Justice, Research and Development in Forensic Anthropology and Forensic Odontology. Award number 2014-DN-BX-K007. October 2014 – December 2019, Pennsylvania State University, University Park (\$501,047 total). Co-principal investigators: George Milner, Pennsylvania State University; Jesper Boldsen, Syddansk Universitet, Denmark.

Membership in Professional Societies

American Association of Forensic Scientists
American Association of Physical Anthropologists
American Dermatoglyphics Association

Professional Training

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| 1989-1996 | Graduate Research Assistant to Dr. Richard Jantz, Department of Anthropology, The University of Tennessee, Knoxville. |
| 7/1998 | Introduction to Delphi. Softbite International. |
| 7/1998 | Delphi Power Programming. Softbite International. |
| 9/-10/1998 | Supervisory Training Program, Smithsonian Institution. |
| 7/2000 | Sybase Adaptive Server Anywhere Fundamentals. Sybase Training. |
| 8/2000 | Relational Databases: Design, Tools and Techniques. Learning Tree International. |
| 9/2001 | Physical Database Design. Sybase Training. |
| 7/2004 | Categorical Data Analysis. Statistical Horizons. |

2/2008 Transition Analysis: A New Approach to Skeletal Age Estimation for Anthropologists. AAFS Workshop.

Professional Service

- 1996-present Occasional reviewer, *American Journal of Physical Anthropology*, *International Journal of Osteoarchaeology*, and *International Journal of Legal Medicine*.
- 2005-2007 President, American Dermatoglyphics Association
- 2007-2013 Board Member, SWGANTH (Scientific Working Group for Forensic Anthropology). Committee co-chair: Statistical Methods, Ancestry Estimation (2007-2012); Gap Analysis (2012-2013).
- 2013-2015 Member, Board of Directors, Forensic Imaging Society of the Americas.
- 10/2013-2016 Member, Subcommittee on Anthropology, Crime Scene / Death Investigation, Forensic Science Working Group, National Institute of Standards and Technology

Publications

- 1991 Sledzik PS, Ousley SD. Analysis of Six Documented Vietnamese Trophy Skulls. *Journal of Forensic Sciences* 36: 520-532.
- 1993 Jantz RL, Ousley SD. *FORDISC 1.0: Computerized Forensic Discriminant Functions*. The University of Tennessee, Knoxville.
- 1993 Ousley SD. Drops, Trickles, Waves, and Tides: North Pacific Anthropometrics and the Peopling of North America. Master's Thesis, The University of Tennessee, Knoxville.
- 1994 Moore-Jansen PM, Ousley SD, Jantz RL. *Data Collection Procedures for Forensic Skeletal Material*. Third Edition. The University of Tennessee, Knoxville.
- 1994 Owsley DW, Gill G, Ousley SD. Biological Effects of European Contact on Easter Island. In: *In the Wake of Contact: Biological Responses to Conquest*, C.S. Larson and G. Milner, eds. New York: Wiley-Liss, 161-177.
- 1995 Konigsberg LW, Ousley SD. Multivariate Quantitative Genetics of Anthropometric Traits from the Boas Data. *Human Biology* 67:481-498.
- 1995 Kramer A, Donnelly SM, Kidder JH, Ousley SD, Olah SM. Craniometric Variation in large-bodied Hominoids: Testing the Single Species Hypothesis for Homo Habilis. *Journal of Human Evolution* 29: 443-462.
- 1995 Ousley SD. Relationships between Eskimos, Indians, and Aleuts: Old Data, New Perspectives. *Human Biology* 67:427-458.
- 1995 Ousley SD. Should We Estimate Biological or Forensic Stature? *Journal of Forensic Sciences* 40:768-773.

- 1995 Sherwood SC, Ousley SD. Quantifying Microartifacts using a Personal Computer. *Geoarchaeology* 10: 423-428.
- 1996 Ousley SD, Jantz RL. *FORDISC 2.0: Personal Computer Forensic Discriminant Functions*. The University of Tennessee, Knoxville.
- 1997 Ousley SD. The Quantitative Genetics of Epidermal Ridges Using Multivariate Maximum Likelihood Estimation. Doctoral Dissertation, The University of Tennessee, Knoxville.
- 1998 Ousley SD, Jantz RL. The Forensic Data Bank: Documenting Skeletal Trends in the United States. In: *Forensic Osteology* (Second Edition), K. Reichs, ed. Springfield, IL: C.C. Thomas. pp 441-458.
- 2000 Ousley SD. Boas, Brinton, and the Jesup North Pacific Expedition: The Return of the Americanoids. *European Review of Native American Studies*, Winter 2000, pp 35-47.
- 2001 Ousley SD, Jantz RL. 500 Year Old Questions, 100 Year Old Data, Brand New Computers: Biological Data from the Jesup North Pacific Expedition and the Paradox of the "Americanoid" Theory. In: *Gateways: Exploring the Legacy of the Jesup North Pacific Expedition, 1897-1902*, I. Krupnik and W. Fitzhugh, eds. Washington: Arctic Studies Center. pp 257-277.
- 2001 Logan MH, Ousley SD. Hypergamy, Quantum, and Reproductive Success: The Lost Indian Ancestor Reconsidered. In: *Anthropologists and Indians in the New South*, J.A. Paredes and R. Bonney, eds. Birmingham, AL: University of Alabama Press, pp 184-202.
- 2001 Ousley SD. Lessons Learned from the Repatriation Program at the National Museum of Natural History, Smithsonian Institution. In: *International Colloquium on the First Americans*, Kyoto, Japan, pp 16-19. Kyoto: IRCJS.
- 2001 Ousley SD, McKeown A. Three Dimensional Digitizing of Human Skulls as an Archival Procedure. In: *Human Remains: Conservation, Retrieval and Analysis*, E. Williams, ed. BAR International Series 934. Oxford: Basingstoke Press. pp 173-184.
- 2004 Cohn RC, Myers RW, Ousley SD. *Clinical Encephalography: A Computerized Approach*. PS&E, Silver Spring, MD.
- 2004 Hollinger RE, Eubanks E, Ousley SD. *Inventory and Assessment of Human Remains and Funerary Objects from the Point Barrow Region, Alaska, in the National Museum of Natural History, Smithsonian Institution*. Repatriation Office, National Museum of Natural History, Smithsonian Institution, Washington, D.C.
- 2005 Arbolino RD, Ousley SD, Jones EB. *Reassessment of the Cultural Affiliation of Human Remains and Funerary Objects from Seaside, Oregon at the National Museum of Natural History, Smithsonian Institution*. Repatriation Office, National Museum of Natural History, Smithsonian Institution, Washington, D.C.
- 2005 Jantz, RL, Ousley SD. *FORDISC 3: Computerized Forensic Discriminant Functions*. Version 3.0. The University of Tennessee, Knoxville.
- 2005 Hollinger RE, Botic C, Ousley SD. *Inventory and Assessment of Human Remains Potentially Affiliated with the Northwestern Band of Shoshone in the National Museum of Natural History, Smithsonian Institution*. Repatriation Office, National Museum of Natural History, Smithsonian Institution, Washington, D.C.

- 2005 Ousley SD, Billeck WT, Hollinger RE. Federal Repatriation Legislation and the Role of Physical Anthropology in Repatriation. *Yearbook of Physical Anthropology* 48: 2-32.
- 2006 Hollinger RE, Ousley SD. Inventory and Assessment of Human Remains Potentially Affiliated with the Pembina Chippewa in the National Museum of Natural History, Smithsonian Institution. Repatriation Office, Department of Anthropology, Smithsonian Institution, Washington DC.
- 2008 Jones EB, Ousley SD. The Repatriation Osteology Laboratory, National Museum Of Natural History, Smithsonian Institution. In: *The Forensic Anthropology Laboratory*, MW Warren, HA Walsh-Haney, and L Freas, eds. Boca Raton, FL, CRC Press. pp 117-148.
- 2008 Dirkmaat DC, Cabo LL, Ousley SD, Symes SA. New Perspectives in Forensic Anthropology. *American Journal of Physical Anthropology* 51: 33-52.
- 2009 Hollinger RE, Ousley SD, Utermohle CJ. The Thule Migration: A New Look at the Archaeology and Biology of the Point Barrow Region Populations. In: *The Northern World AD 900-1400: The Dynamics of Climate, Economy, and Politics in Hemispheric Perspective*, H. Maschner and J. Savelle, eds. Salt Lake City, UT, The University of Utah Press, pp 131-154.
- 2009 Konigsberg LW, Ousley SD. Update to Konigsberg and Ousley's "Multivariate Quantitative Genetics of Anthropometric Traits from the Boas Data" (1995). *Human Biology* 81:595-596.
- 2009 Ousley SD, Hollinger RE. A Forensic Analysis of Human Remains from a Historic Conflict in North Dakota. In: *Hard Evidence: Case Studies in Forensic Anthropology*, Second Edition. D. Steadman, ed. Upper Saddle River, NJ: Pearson, pp 91- 102.
- 2009 Ousley SD. Review of "Human Remains: A Guide for Museums and Academic Institutions". *American Journal of Physical Anthropology* 140: 392-393.
- 2009 Ousley SD, Jantz RL, Freid DL. Understanding Race and Human Variation: Why Forensic Anthropologists are Good at Identifying Race. *American Journal of Physical Anthropology* 139: 68-76.
- 2009 Wilczak CA, Ousley SD. Test of the Relationship Between Sutural Ossicles and Cultural Cranial Deformation: Results from Hawikuh, New Mexico. *American Journal of Physical Anthropology* 139: 483-493.
- 2010 Ousley SD. Comments on Schillaci and Bustard. *Political and Legal Anthropology Review* 33: 374-377.
- 2010 Ousley SD, Jones EB. Craniometric Variation in the Aleutians: Integrating Morphological, Molecular, Spatial, and Temporal Data. *Human Biology* 82: 629-651.
- 2011 Schmidt C, Ousley SD, Schmidt M. Brief Communication: Correcting Overestimation When Determining Two-Dimensional Occlusal Area in Human Molars. *American Journal of Physical Anthropology* 145:327-332.
- 2012 Klales AR, Ousley SD, Vollner JM. A New Method of Sexing the Human Innominate Using Phenice's Nonmetric Traits and Statistical Methods. *American Journal of Physical Anthropology* 149:104-114.

- 2012 Hefner JT, Ousley SD, Dirkmaat DC. Morphoscopic Traits and the Assessment of Ancestry. In: *A Companion to Forensic Anthropology*, DC Dirkmaat, ed. London: Wiley-Blackwell, pp 287-310.
- 2012 Ousley SD. Estimating Stature. In: *A Companion to Forensic Anthropology*, DC Dirkmaat, ed. London: Wiley-Blackwell, pp 330-334.
- 2012 Ousley SD, Hollinger RE. The Pervasiveness of Daubert. In: *A Companion to Forensic Anthropology*, DC Dirkmaat, ed. London: Wiley-Blackwell, pp 654-665.
- 2012 Ousley SD, Jantz RL. Fordisc 3 and Statistical Methods for Estimating Sex and Ancestry. In: *A Companion to Forensic Anthropology*, DC Dirkmaat, ed. London: Wiley-Blackwell, pp 311-329.
- 2012 Symes SA, Dirkmaat DC, Ousley SD, Chapman E, Cabo L. Recovery and Interpretation of Burned Human Remains. Final Technical Report, National Institute of Justice award number 2008-DN-BX-K131. Available at: <https://www.ncjrs.gov/pdffiles1/nij/grants/237966.pdf>.
- 2013 Edgar HJH, Ousley SD. New Approaches to the Use of Dental Morphology in Forensic Contexts. In: *Anthropological Perspectives on Tooth Morphology: Genetics, Evolution, Variation*. JR Scott, J Irish, eds. London: Cambridge University Press, pp 510-534.
- 2013 Jantz RL, Ousley SD. Introduction to Fordisc 3. In: *Introduction to Forensic Anthropology*, MT Tersigni-Tarrant and N Shirley, eds. Taylor and Francis, pp 253-269.
- 2013 Ousley SD. *A Radiographic Database for Estimating Biological Parameters in Modern Subadults*. Final Technical Report, National Institute of Justice award number 2008-DN-BX-K152. Available at: <https://ncjrs.gov/pdffiles1/nij/grants/242697.pdf>.
- 2013 Ousley SD, Jantz RL. Fordisc 3: The Third Generation of Computer-Aided Forensic Anthropology. *Rechtsmedizin* 23: 97-99.
- 2014 Christensen AM, Crowder CM, Houck MM, Ousley SD. Error and its Meaning in Forensic Science. *Journal of Forensic Sciences* 59:123-126.
- 2014 Hefner JT, Ousley SD. Statistical Classification Methods for Estimating Ancestry using Morphoscopic Traits. *Journal of Forensic Sciences* 59: 883-890.
- 2014 Stull KE, L'Abbe EN, Ousley SD. Using Multivariate Adaptive Regression Splines to Estimate Subadult Age From Diaphyseal Dimensions. *American Journal of Physical Anthropology* 154: 376-386.
- 2016 Rusk KM, Ousley SD. An Evaluation of Sex- and Ancestry-Specific Variation in Sacral Size and Shape Using Geometric Morphometrics. *American Journal of Physical Anthropology* 159:646-654.
- 2016 Edgar HJH, Ousley SD. Dominance in Dental Morphological Traits: Implications for Biological Distance Studies. In Pilloud M, Hefner J. *Biological Distance Analysis: Forensic and Bioarchaeological Perspectives*. San Diego: Elsevier, pp 317-332.
- 2016 Ousley SD. Forensic Classification and Biodistance in the 21st Century: The Rise of Thinking Machines. In Pilloud M, Hefner J. *Biological Distance Analysis: Forensic and Bioarchaeological Perspectives*. San Diego: Elsevier, pp 197-212.

- 2016 Boeyer ME, Ousley SD. Skeletal assessment and secular changes in knee development: a radiographic approach. *American Journal of Physical Anthropology* 160: 122-131.
- 2017 Jantz RL, Ousley SD. Introduction to Fordisc 3 and Human Variation. In: *Introduction to Forensic Anthropology, Second edition*, MT Tersigni-Tarrant and N Shirley, eds. Taylor and Francis, pp 255-270.
- 2017 Stull KE, L'Abbe EN, Ousley SD. Subadult Sex Estimation from Diaphyseal Dimensions. *American Journal of Physical Anthropology* 163:64-74.
- 2018 Ousley SD, Jantz RL, Hefner JT. From Blumenbach to Howells: The Slow, Painful Emergence of Theory Through Forensic Race Estimation. In: *Forensic Anthropology: Theoretical Framework and Scientific Basis*, CC Boyd and DC Boyd, eds. pp 67-97.

Presented Papers and Posters

- 1990 Ousley SD, Sledzik PS. Analysis of Six Documented Vietnamese Trophy Skulls. Paper presented at the 42nd annual meeting of the American Academy of Forensic Sciences, Cincinnati, February 19-24, 1990.
- 1992 Ousley SD, Jantz RL. The Forensic Data Bank: Some results after 5 years and 1000 cases. Paper presented at the 44th annual meeting of the American Academy of Forensic Sciences, New Orleans, February 17-22.
- 1992 Jantz RL, Ousley SD (presenting author). Anthropometry of North Pacific Populations: The Potential of Jesup I Data. Paper presented at the First International Congress of Arctic Social Sciences, Quebec City, October 28-31.
- 1993 Konigsberg LW, Ousley SD. Multivariate Quantitative Genetics of Anthropometrics from the Boas Data. Paper presented at the 62nd annual meeting of the American Association of Physical Anthropologists, Toronto, April 14-17.
- 1993 Alexander AE, Ousley SD. Multivariate Analysis of Manubrio-Sternal Measurements. Paper presented at the 45th annual meeting of the American Academy of Forensic Sciences, Boston, February 15-20.
- 1993 Ousley SD, Jantz RL. Postcranial Racial Discriminant Functions from the Forensic Data Bank. Paper presented at the 45th annual meeting of the American Academy of Forensic Sciences, Boston, February 15-20.
- 1993 Ousley SD. Anthropometric Relationships Between Native Americans and Siberians: The Post-Beringia Connection. Paper presented at the 62nd annual meeting of the American Association of Physical Anthropologists, Toronto, April 14-17.
- 1994 Ousley SD. Should we Estimate Biological or Forensic Stature? Presented at the 46th annual meeting of the American Academy of Forensic Sciences, San Antonio, February 14-19.
- 1994 Ousley SD. New Perspectives on Eskimo and Aleut Relationships. Paper presented at the 63rd annual meeting of the American Association of Physical Anthropologists, Denver, March 29 - April 2.

- 1996 Jantz RL, Ousley SD (presenting author). The Future of the Forensic Data Bank: New Data, New Technologies. Paper presented at the 48th annual meeting of the American Academy of Forensic Sciences, Nashville, February 19-24.
- 1997 Ousley SD. Boas, Brinton, and the Siberians: The Triumph of the Americanoids. Paper presented at: "Constructing Cultures Then and Now: A Centenary Conference Celebrating Franz Boas and the Jesup North Pacific Expedition 1897-1902", The American Museum of Natural History, New York, November 13-17.
- 1998 Ousley SD. The Quantitative Genetics of Dermatoglyphics: Variances, Covariances, and Developmental Integration. Paper presented at the 67th annual meeting of the American Association of Physical Anthropologists, Salt Lake City, March 31 - April 4.
- 1999 Ousley SD. Three-Dimensional Digitizing of Human Skulls as an Archival Procedure. Paper presented at the conference "Human Remains: Conservation, Retrieval and Analysis", Williamsburg, VA, November 7-10.
- 2000 Ousley SD. New Approaches to Human Variation and Forensic Anthropology (including Repatriation). Paper presented at the 52nd annual meeting of the American Academy of Forensic Sciences, Reno, NV, February 20-26.
- 2000 Ousley SD, Owsley DW, Mulhern DH. Lost and Found in the Museum: Repatriation, Ancestry, Ethnicity, and History. Poster presented at the 68th annual meeting of the American Association of Physical Anthropologists, San Antonio, TX, April 12-15.
- 2001 Ousley SD. Lessons Learned from the Repatriation Program, National Museum of Natural History, Smithsonian Institution. Paper presented at the International Colloquium on the First Americans, International Research Center for Japanese Studies, Kyoto, Japan, January 9-11.
- 2001 Ousley SD, Berger AE. Using Postcranial Discriminant Functions to Address Museum, Repatriation, and Other Forensic Questions. Poster presented at the 53rd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 19-24.
- 2001 Mann MM, Ousley SD. Using Nontraditional Craniometrics to address Museum, Repatriation, and other Forensic Questions. Paper presented at the 53rd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 19-24.
- 2001 Houck M, Ubelaker, DH, Ousley SD. D.B. or not D.B.? That is the Question. Paper presented at the 53rd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 19-24.
- 2001 Ousley SD, Billeck WT. Assessing Tribal Identity in the Plains using Nontraditional Craniometrics (Interlandmark Distances). Poster presented at the 70th annual meeting of the American Association of Physical Anthropologists, Kansas City, MO, March 28-31.
- 2001 Mulhern DM, Ousley SD, Jones EB. The Effects of Pathology on Biological Affiliation. Poster presented at the 70th annual meeting of the American Association of Physical Anthropologists, Kansas City, MO, March 28-31.
- 2002 Ousley SD, Jantz RL. Social Races and Human Populations: Why Forensic Anthropologists are Good at Identifying Races. Paper presented at the 71st annual meeting of the American Association of Physical Anthropologists, Buffalo, NY, April 10-13.

- 2003 Ousley SD, Seebauer JL, Jones EB. Forensic Anthropology, Repatriation, and the "Mongoloid" Problem. Paper presented at the 55th annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 17-22.
- 2003 Ousley SD, McKeown A. A Comparison of Morphometric Data and Methods in Classification. Poster presented at the 73rd annual meeting of the American Association of Physical Anthropologists, Phoenix, AZ, April 23-26.
- 2003 Ousley SD, Billeck WT. The Value Of Recording Metric Variation From Remains Subject To Repatriation. Paper presented at the Fifth World Archaeological Congress, Washington, DC, June 21-26.
- 2003 Ousley SD. Race: Forensic vs. Biological Anthropology. Paper presented at the 102nd Annual American Anthropological Association Meeting, Chicago, IL, November 19-23.
- 2003 Weisensee K, Jantz RL, Ousley SD, Sivakova D. Relationships of Slovak Roma Populations Assessed from Finger Ridge Counts. Poster presented at the 73rd annual meeting of the American Association of Physical Anthropologists, Phoenix, AZ, April 23-26.
- 2004 Hefner JT, Ousley SD, Warren MW. An Historical Perspective on Nonmetric Traits: Hooton and the Harvard List. Paper presented at the 56th annual meeting of the American Academy of Forensic Sciences, Dallas, TX.
- 2005 Dudar JC, Ousley SD. Diagnosis of Anencephaly, a Common Lethal Neural Tube Defect, From Taphonomically Altered Fetal or Neonatal Skeletal Remains. Paper presented at the 57th annual meeting of the American Academy of Forensic Sciences, New Orleans, LA, February 21-26.
- 2005 Freid D, Spradley MK, Jantz RL, Ousley SD. The Truth is Out There: How NOT to use FORDISC. Poster presented at the 74th annual meeting of the American Association of Physical Anthropologists, Milwaukee, WI, April 6-9.
- 2005 London MR, Wilczak CA, Dudar JC, Ousley SD. Congenital and developmental defects of the vertebral column in samples from Hawikku and Puye, New Mexico. Poster presented at the 74th annual meeting of the American Association of Physical Anthropologists, Milwaukee, WI, April 6-9.
- 2005 Ousley SD, Hefner JT. Morphoscopic Traits and the Statistical Determination of Ancestry. Paper presented at the 57th annual meeting of the American Academy of Forensic Sciences, New Orleans, LA, February 21-26.
- 2005 Ousley SD, Hollinger RE, Utermohle CJ. Northern Arctic Prehistory II: The Thule Migration in Light of New Morphometric Data. Paper presented at the 69th annual meeting of the Society for American Archaeology, Montreal, March 31 - April 4, 2004.
- 2005 Ousley SD, Jantz RL. The Next FORDISC: FORDISC 3. Paper presented at the 57th annual meeting of the American Academy of Forensic Sciences, New Orleans, LA, February 21-26.
- 2005 Ousley SD. Biological anthropology in the Repatriation Osteology Laboratory, National Museum of Natural History, Smithsonian Institution. Paper presented at the 70th annual meeting of the Society for American Archaeology, Salt Lake City, March 30-April 3.
- 2005 Ousley SD. Physical Anthropology as Applied Anthropology in the Repatriation Process. Paper presented at the 2005 meeting of the Society for Applied Anthropology, Santa Fe, NM, April 5-8.

- 2005 Wilczak CA, Ousley SD. Questioning the relationship of cranial deformation to ossicle formation: Results from Hawikku. Poster presented at the 74th annual meeting of the American Association of Physical Anthropologists, Milwaukee, WI, April 6-9.
- 2006 Hefner, JT, Ousley SD. Morphoscopic Traits and the Statistical Determination of Ancestry II. Paper presented at the 58th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 20-25.
- 2006 Ousley SD, Martinez LM. Morphological, Metric, and Morphometric Variation in the Midface. Paper presented at the 58th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 20-25.
- 2006 Ousley SD, Hollinger, RE, Utermohle CJ. Northern Arctic Population Structure, History, and Migrations in Light of New Data and Methods. Paper presented at the 75th annual meeting of the American Association of Physical Anthropologists, Anchorage, AK, March 8-11.
- 2007 Hefner JT, Emanovsky PD, Byrd J, Ousley SD. The value of experience, education, and methods in ancestry prediction. Paper presented at the 59th Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX, February 19-24.
- 2007 Ousley SD, Byrd JE. New Statistical Approaches to Forensic Classifications: Multi-Stage Discriminant Function Analysis. Paper presented at the 59th annual meeting of the American Academy of Forensic Sciences, San Antonio, TX, February 19-24.
- 2007 Ousley SD, Sauer N. The Future of Assessing Ancestry. Paper presented at the 59th annual meeting of the American Academy of Forensic Sciences, San Antonio, TX, February 19-24.
- 2007 Ousley SD, Jantz RL. Exploring Human Craniometric Variation: Statistical, Mensural, Biological, and Historical Considerations. Paper presented at the 76th annual meeting of the American Association of Physical Anthropologists, Philadelphia, PA, March 28-31.
- 2007 Ousley SD. Lessons Learned after 15 years on the other side of the Pond: Repatriation at the National Museum of Natural History, Smithsonian Institution. Paper presented at the Ninth Annual Conference of the British Association of Biological Anthropology and Osteoarchaeology, Reading, UK, September 14-16.
- 2008 Spradley K, Ousley SD, Jantz RL. Evaluating Cranial Morphometric Relationships Using Discriminant Function Analysis. Poster presented at the 77th annual meeting of the American Association of Physical Anthropologists, Columbus, OH, April 9-12.
- 2009 Frazee KL, Stull KE, Ousley SD. The Value of Radiographic Standardization in the Medico-Legal Setting. Paper presented at the 2009 annual meeting of the National Association of Medical Examiners, San Francisco, CA, September 11-16.
- 2009 Klales AR, Vollner JM, Ousley SD. A New Metric Procedure for the Estimation of Sex and Ancestry from the Human Innominate. Poster presented at the 61st annual meeting of the American Academy of Forensic Sciences, Denver, CO, February 16-21.
- 2009 Ousley SD. The Pervasiveness of *Daubert*. Paper presented at the 25th annual meeting of the North East Forensic Anthropology Association, Erie, PA, October 30-November 1.

- 2009 Stull KE, Frazee KL, Ousley SD. Concerns in Modern Subadult Age Estimation using Bone Lengths. Poster presented at the 2009 annual meeting of the National Association of Medical Examiners, San Francisco, CA, September 11-16.
- 2009 Vollner JM, Klaes AR, Ousley SD. Sexing of the Human Innominate using Non-metric Traits and Statistical Analysis. Poster presented at the 78th annual meeting of the American Association of Physical Anthropologists, Chicago, IL, April 2-4.
- 2010 Baranoff RK, Ousley SD. Prognathism and Prosthion in the Evaluation of Ancestry. Poster presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Kenyhercz MW, Pietrusewsky M, Damann F, Ousley SD. Craniometric Variation within Southeast Asia. Poster presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Lynn KS, Ousley SD. Stature Estimation: Are There Any Advantages to Using Principal Component Analysis? Poster presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Miller EA, Ousley SD. The Use (and Abuse) of the Sacrum in Sex Determination. Paper presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Ousley SD, L'Abbe EN. Craniometric Variation in South African and American Blacks. Paper presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Ousley SD, Stull KE, Frazee KL. A Radiographic Database for Forensic Anthropology. Poster presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Vollner JM, Passalacqua NV, Ousley SD. The Use of Geometric Morphometric Analysis for Subadult Sex Estimation Utilizing Innominates. Poster presented at the 62nd annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 22-27.
- 2010 Daly ES, Ousley SD, Jantz RL. Effects of Distance from Africa on Within-population Phenotypic Diversity in Modern Human Dermatoglyphic Finger Ridge Counts. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.
- 2010 Edgar HJH, Ousley SD. New Approaches to the use of Dental Morphology in Forensic Contexts. Paper presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.
- 2010 Kenyhercz MW, Pietrusewsky M, Damann F, Ousley SD. Borders and Boundaries: A Clash Between Culture and Biology in Southeast Asia. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.
- 2010 Nesbitt A, Ousley SD. Size and Shape Dimorphism in the Human Cranium. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.

- 2010 Ousley SD, Frazee KL, Stull KE. Assessing Bone Growth and Development in Modern American Children. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.
- 2010 Vollner JM, Klales AR, Ousley SD. Geometric Morphometric Analysis of the Human Innominate for Sex Estimation. Poster presented at the 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM, April 14-17.
- 2011 Christensen AM, Crowder CM, Ousley SD, Houck MM. Errors, Error Rates, and their Meanings in Forensic Science. Paper presented at the 63rd annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 21-26.
- 2011 Ousley SD. Recording Cranial and Postcranial Measurements in Osteoware. Poster presented at the 80th annual meeting of the American Association of Physical Anthropologists, Minneapolis, MN, April 13-16.
- 2011 Rusk K, Ousley SD. Sex Estimation Using Anterior Sacral Curvature: A Geometric Morphometric Approach. Poster presented at the 80th annual meeting of the American Association of Physical Anthropologists, Minneapolis, MN, April 13-16.
- 2011 Siegel N, Ousley SD. The Importance of Testing and Understanding Statistical Methods in the Age of *Daubert*: Can FORDISC Really Classify Individuals Correctly Only One Percent of the Time? Paper presented at the 63rd annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 21-26.
- 2012 Ousley SD, Heather HJE. Secular Changes in Discrete Dental Traits on Three Continents. Poster presented at the 81st annual meeting of the American Association of Physical Anthropologists, Portland, OR, April 11-14.
- 2013 Hatza AN, Ousley SD, Tuamsuk P. Stature Estimation in Modern Thais: Are Population-Specific Estimation Equations Necessary? Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Hunt DR, Ousley SD. The Biological Anthropology Database legacy of Richard L. Jantz . Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 10-13.
- 2103 L'Abbe EN, Kenyhercz MW, Stull KE, Ousley SD. Craniometric Assessment of Modern 20th Century Black, White, and "Colored" South Africans. Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Messer DL, Ousley SD, Tuamsuk P. Patterns in Worldwide Craniometric Sexual Dimorphism and Its Importance in Forensic Anthropology. Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Messer DL, Ousley SD, Tuamsuk P. Human craniometric sexual dimorphism and Rensch's Rule. Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 10-13.
- 2013 Ousley SD, Kenyhercz M. Geometric morphometrics and statistical classification: Size matters. Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 10-13.

- 2013 Powell E, Ousley SD, Tuamsuk P. Sex Estimation in a Modern Thai Sample Using Non-Metric Traits of the Innominate. Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Roth M, Ousley SD, Tuamsuk P. Sex Estimation Using Non-Metric Traits in Thai Crania With the Walker (2008) Method. Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Spradley MK, Hefner JT, Ousley SD. The Contributions of Richard Jantz to the Development, Implementation, and Continuance of the Forensic Anthropology Data Bank. Paper presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Stromquist AK, Ousley SD. Secular Changes in Robusticity of Limb Bones in Americans. Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 10-13.
- 2013 Stull KE, L'Abbe EL, Ousley SD. Testing the Accuracy of North American Growth Standards to Estimate Age at Death in Modern South African Subadults. Paper presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Yuzwa T, Ousley SD, Tuamsuk P. Sexual Dimorphism in the Thai Postcranial Skeleton. Poster presented at the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 18-23.
- 2013 Yuzwa T, Ousley SD. Modularity and Integration in the Human Cranial Vault. Poster presented at the 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 10-13.
- 2013 Jantz RL, Ousley SD (presenting author). World Skeletal Databases: The Perspective from America. Paper presented at the 92nd annual meeting of the German Society of Medical Examiners, Saarbruecken, Germany, September 17-21.
- 2014 Hefner JT, Ousley SD. Statistical Classification Methods for Estimating Ancestry Using Morphoscopic Traits. Paper presented at the 66th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 17-22.
- 2014 Taylor A, Ousley SD, Garvin HM. Craniometric Concordance: 3D Surface Scanner and Digitizer Measurements. Poster presented at the 66th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 17-22.
- 2014 Sanders K, Ousley SD, Rose J, Hanihara T. Craniometric Analysis of the Howells Egyptian Sample: The Greek Connection. Poster presented at the 83rd annual meeting of the American Association of Physical Anthropologists, Calgary, Alberta, April 8-12.
- 2014 Ousley SD, Boeyer M. Patricia: An Online Radiographic Database for Modern Growth and Development. Poster presented at the 55th meeting of the Society for the Study of Human Biology, Symposium on Age Estimation, Oxford, UK, December 9-11.
- 2015 Best KC, Ousley SD, Wienker CW. Classification of a Sample of Chinese Males From Cuba Using FORDISC 3.1. Poster presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.

- 2015 Boeyer ME, Ousley SD. Age Estimation in Modern Individuals Between Birth and Fourteen Years of Age Using Measurements of the Knee Joint. Poster presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Baumgarten SE, Ousley SD. Estimating Sex from the Innominate Utilizing New Measurements. Poster presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Hatza A, Ousley SD, Cabo LL. Estimating Stature When Ancestry is Unknown: What Statistical Methods Work Best? Paper presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Ousley SD, Shirley NR, Jantz RL. One Hundred Years Since Martin's *Lehrbuch*: Measurement Confusion and DCP 2.0. Paper presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Jantz L, Shirley NR, McNulty S, Maijanen HMK, Ousley SD, Jantz RL. Evaluation and Reformation of Osteometric Data in Forensic Anthropology: The Foundations of DCP 2.0. Paper presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Jantz RL, Ousley SD*, Hefner JT. From Blumenbach to Howells: The Slow, Painful Emergence of Theory in Forensic Race Estimation. Paper presented at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Baumgarten SE, Ousley SD, Decker SJ, Shirley NR. A Transparent Method for Sex Estimation Using Refined DSP Measurements of the Innominate. Poster presented at the Poster presented at the 84th annual meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-28.
- 2015 Boeyer ME, Ousley SD. A Radiographic Approach to Age Estimation of the Subadult Knee Joint: A New Standard. Poster presented at the Poster presented at the 84th annual meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-28.
- 2015 Edgar HJHE, Ousley SD. Dominance in dental morphological traits: Implications for biological distance studies. Poster presented at the Poster presented at the 84th annual meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-28.
- 2015 Ousley SD. Forensic Classification and Biodistance in the 21st Century: Why the Machines Will Win. Poster presented at the Poster presented at the 84th annual meeting of the American Association of Physical Anthropologists, St. Louis, MO, March 25-28.
- 2016 Conley J, Ousley SD. Ancestral and Sex Differences in the Posterior Nasal Aperture. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 12 – 16.
- 2016 Milner GR, Boldsen JL, Ousley SD, Getz SM, Weise S, Tarp P. Estimating Age from Adult Skeletons: New Directions in Transition Analysis Using a Wide Array of Traits. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 12 – 16.

- 2016 Chapman DV, Shade AM, Ousley SD. Secular Change in Pelvic Morphological Age Indicators. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 12 – 16.
- 2016 Carpenter KA, Ousley SD, Langley NR. The need for revising and modernizing postcranial measurement definitions: New standards. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA, April 12 – 16.
- 2016 Griffin J, Ousley SD. Age Estimation Using Osteophytic Activity on the Lumbar Vertebrae and Partial Least Squares Regression. Poster presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 Milner GR, Boldsen JL, Ousley SD, Getz SM, Weise S, Tarp P. Improved Adult Age Estimation Using New Skeletal Traits and Transition Analysis. Poster presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 Carlson-Greer SY, Ousley SD. Sex Assessment — The Utility of Endocranial Landmark Data. Paper presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 Langley NR, Meadows Jantz L, Maijanen H, Ousley SD, Jantz RL. DCP 2.0: Changes in Data Collection Procedures for Forensic Skeletal Material. Poster presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 Ousley SD, Jantz RL, Langley NR, Spradley K, Dudzik B. Thirty Years of the Forensic Data Bank and Data Collection Procedures (DCP) 2.0: Continuity and Transformation. Poster presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2016 Furnier SM, Ousley SD. Sex Classification in a Sample of American Whites Using Interlandmark Distances of the Zygomatic Bone and Standard Cranial Measurements. Poster presented at the 68th annual meeting of the American Academy of Forensic Sciences, Las Vegas, NV, February 22-27.
- 2017 Conley JA, Ousley SD. A Test of Fazekas and Kósa (1978) Fetal Aging Standards Using Ultrasound Data. Poster presented at the 86th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19 – 22.
- 2017 Dudar C, Ousley SD, Jones EB, Wilczak CW, Hefner J, Gwyn M, Mulhern D. Osteoware: Standardized Skeletal Documentation Software at the Smithsonian Institution. Poster presented at the 86th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA, April 19 – 22.
- 2018 Ousley SD, Milner GR, Boldsen JL, Jantz RL. The Role of Simulated Data in Making the Best Predictions. Poster presented in symposium titled "Thinking Computationally about Forensics: Anthropological Perspectives on Advancements in Technologies, Data and Algorithms" at the 87th Annual Meeting of the American Association of Physical Anthropologists, Austin, TX, April 11-14.

Workshops and Invited Lectures

- 1998 Ousley SD (invited lecture) Multivariate Methods in Forensic Anthropology. Eleventh Annual National Museum of Health and Medicine/Armed Forces Institute of Pathology Forensic Anthropology Course. National Museum of Health and Medicine, Washington, DC, May 12.
- 2001 Ousley SD (invited lecture). Lessons Learned from the Repatriation Program at the National Museum of Natural History, Smithsonian Institution. *International Colloquium on the First Americans*, Kyoto, Japan, April 2- 5. (60 minutes).
- 2001-2005 Ousley SD (lecturer) Multivariate Methods in Forensic Anthropology. Mercyhurst short course "Laboratory Methods in Forensic Anthropology". (6 hours).
- 2002 Ousley SD (invited lecture) Lessons Learned from the Repatriation Program at the National Museum of Natural History, Smithsonian Institution. Utica College, April 7, 60 minutes.
- 2005-2008 Ousley SD (lecturer) Multivariate Statistics and Forensic Anthropology. Mercyhurst College program in Applied Forensic Sciences (7 hours).
- 2003 Ousley SD (lecturer) Human Variation and Human Races: Results from Biological and Forensic Anthropology. Smithsonian Senate of Scientists Dinner Forum, Smithsonian Institution, Washington, DC, October 1.
- 2005 Jantz, RL, Ousley SD (co-chairs) The Uses and Abuses of Statistics and FORDISC in Forensic Anthropology. Workshop given at the 57th annual meeting of the American Academy of Forensic Sciences, New Orleans, LA, February 22, 7 hours.
- 2005 Jantz, RL, Ousley SD (co-chairs) The Uses and Abuses of Statistics and FORDISC in Forensic Anthropology. Workshop given at the 2005 Mountain, Swamp, and Beach forensic anthropologists meeting, Chattanooga, TN, September 4, 7 hours.
- 2006 Ousley SD (chair) Standardizing the Standards: Recording Paleopathological Observations using the Smithsonian's Computerized Data Entry System (with Christopher Dudar, Marilyn London, Gwyn Madden, Dawn Mulhern, and Cynthia Wilczak). Presented at the 33rd annual meeting of the Paleopathology Association, Anchorage, AK, March 7, 8 hours.
- 2007 Jantz, RL, Ousley SD (co-chairs) The Uses and Abuses of Statistics and FORDISC in Forensic Anthropology. Workshop given at the 59th annual meeting of the American Academy of Forensic Sciences, San Antonio, TX, February 20, 7 hours.
- 2007 Ousley SD (invited lecture) Forensic Anthropology, Human Variation, and Race; Statistics and Fordisc 3. Chico Forensic Conference 2007, November 10, Chico State University, Chico, CA, 4 hours.
- 2007 Ousley SD (invited lecture), Jantz RL. Race and Human Variation: Why Forensic Anthropologists are Good at Identifying Race. Paper given as part of a symposium titled "Reconciling Race: Reconciling Views of Human Biological Variation". University of New Mexico, Albuquerque, NM, May 24-25, 2007 (1.5 hours).
- 2008 Jantz, RL, Ousley SD (co-chairs). The Uses and Abuses of Statistics and FORDISC in Forensic Anthropology. Workshop given during the 60th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 19, 8 hours.
- 2008 Ousley SD (invited lecture) Discriminant Function Analysis: Modeling Within- and Among-Group Variation. In the AAFS workshop "Measurements, Terminology & Quantitative Methods:

- Uses and Interpretations in Physical/Forensic Anthropology“ given at the 60th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 19.
- 2008 Ousley SD (lecturer) Human Variation, Statistics, and Race. Chico State University, Chico, CA, May 8, 1.5 hours.
- 2008 Ousley SD (invited lecture) Biology and Race in Forensic Anthropology. Invited Symposium titled “Race Work”. University of California, Santa Cruz, Santa Cruz, CA, May 12, 1.5 hours.
- 2008 Ousley SD (chair) The Eighth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst College, June 9-13, 40 hours.
- 2008 Ousley SD, Jantz, RL (co-chairs) Multivariate Statistics and Fordisc 3. Workshop given at the University of Indianapolis, November, 16 hours.
- 2009 Ousley SD (chair) The Ninth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst College, June 8-12, 16 hours.
- 2010 Ousley SD (invited lecture) Race, Forensic Anthropology, and Human Variation. Suddansk Universitet, Odense, Denmark, February 2, 1.5 hours.
- 2010 Ousley SD (chair) The Tenth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst College, June 7-11, 40 hours.
- 2011 Ousley SD (invited lecture). The Holistic Nature of Forensic Anthropology. Presented at the Young Forensic Scientists’ Forum “Interdisciplinary Approaches to Solving Crimes in Forensic Science”. Presented at the 63rd annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 22, 45 minutes.
- 2011 Jantz, RL, Ousley SD (co-chairs). The Uses and Abuses of Statistics and FORDISC 3.1. Workshop given during the 63rd annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 21, 7 hours.
- 2011 Jantz, RL, Ousley SD (co-chairs). Geometric Morphometrics and Digitizing. Workshop given during the 63rd annual meeting of the American Academy of Forensic Sciences, Chicago, IL, February 22, 7 hours.
- 2011 Ousley SD (invited lecture), Jantz RL. Best Practices, Tricks, and Traps When Using Fordisc 3 to Evaluate Human Remains. Syracuse University Dialogues in Forensic Science: New Techniques for Identification (part of the National Institute of Justice Project in Forensic Anthropology), March 18-20, 2 hours.
- 2011 Ousley SD (chair) The Eleventh Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst College, June 6-10, 16 hours.
- 2011 Ousley SD, Milner G (co-chairs) Workshop for Forensic Anthropologists: Advanced Statistical Methods and Applications in Estimating the Biological Profile. University of Pretoria, South Africa, August 1-5, 24 hours.

- 2012 Ousley SD (invited lecture) Implementing Osteoware Software: An Interactive Workshop. Presented at the 39th annual meeting of the Paleopathology Association, Portland, OR, April 10, 3 hours.
- 2012 Ousley SD (chair) The Twelfth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst University, June 4-8, 16 hours.
- 2013 Jantz, RL, Ousley SD (co-chairs). The Uses and Abuses of Statistics and FORDISC 3.1. Workshop given during the 65th annual meeting of the American Academy of Forensic Sciences, Washington, DC, February 19, 7 hours.
- 2013 Ousley SD (chair) The Thirteenth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst University, June 10-14, 16 hours.
- 2013 Ousley SD, Jantz RL (co-chairs). Forensic Osteology via Fordisc. Workshop given at the 92nd annual meeting of the German Society of Medical Examiners, Saarbruecken, Germany, September 17, 5 hours.
- 2014 Ousley SD (invited lecture). Whorls, Loops, Arches and Ridges: Human Dermatoglyphics and Medical Genetics. Massachusetts General Hospital Podiatry Service Annual Winter Lecture, Boston, January 25, 2 hours.
- 2014 Ousley SD (chair). The Fourteenth Annual Forensic Anthropology Short Course in Human Identification: Laboratory Methods in the Identification of Human Skeletal Remains. Mercyhurst University, June 9-13, 16 hours.
- 2015 Ousley SD (invited lecture). Ancestry Estimation in the 21st Century. AAFS Workshop at the 67th annual meeting of the American Academy of Forensic Sciences, Orlando, FL, February 16-21.
- 2015 Ousley SD (invited lecture). Race Estimation: Issues and Uses in Modern Death Investigations. Center for Forensic Science and Medicine, University of Toronto, Toronto, Canada, January 16.
- 2015 Ousley SD (invited lecture). Secular Changes, Plasticity, and Evolution. Department of Anthropology, University of New Mexico, Albuquerque, NM, March 5.
- 2015 Ousley SD, Jantz RL (invited lecture). *Berlin am Tennessee: Der deutsche Einfluss auf die forensische Anthropologie in den USA* (in German). Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte, Berlin, Germany, June 25.
- 2015 Ousley SD. (invited lectures). Daubert: Reliability and Validity; Statistics in Forensic Anthropology; What about Race? Ancestry and the Biological Profile. Application of Advanced Statistical Methods for Improving the Biological Profile in Age and Ancestry Estimations in South Africa, Pretoria, South Africa, July 27.
- 2015 Ousley SD (invited lecture) Human Variation: More Complicated than we Thought. Department of Anthropology, Pennsylvania State University, State College, PA, September 25.
- 2017 Ousley SD, Milner GR, Boldsen JL, Getz SM, Weise S, Tarp P. Adult Skeletal Age Estimation: Tackling Long-standing Problems with a New Approach. National Institute of Justice Forensic Science Research and Development Symposium, 69th Annual Scientific Meeting, American Academy of Forensic Sciences, New Orleans, LA.

- 2018 Ousley SD. Twenty-five Years of Lessons Learned from the Forensic Data bank and Fordisc. AAFS Workshop titled "Data Standards, Archiving, and Analytics in Forensic Anthropology" held at the 70th annual meeting of the American Academy of Forensic Sciences, Seattle, WA, February 19-24.

Teaching Experience

- 1995, Department of Anthropology, The University of Tennessee: Anthropology 210:
1996 Introduction to Biological Anthropology (twice), Summer Evening School.
- 2007- Mercyhurst College, Mercyhurst University. Graduate courses taught: Advanced Human Variation; Bioarchaeology (graduate and undergraduate); Human Growth and Development; Skeletal Biology II: Forensic Sex and Ancestry Estimation; Statistical Methods in Anthropology; Advanced Statistical Methods in Biological and Forensic Anthropology; Thesis Preparation; Scientific Data Presentation (co-taught with David Pedler); Big Data Tools; Introduction to Programming; Data Science Projects Capstone Course; Machine Learning I; Machine Learning II. Undergraduate courses taught: Introduction to Physical Anthropology and Laboratory (ANTH 120/121); Science of Criminalistics (FRSC 400); Statistics for the Sciences (MATH 139).

Directed / Committee Member Theses and Dissertations (Selected)

- 2008 Hefner J. Assessing Nonmetric Cranial Traits Currently Used in Forensic Determination of Ancestry. Doctoral Dissertation, The University of Florida, Gainesville.
- 2008 Stull K. Sexual Dimorphism of the Juvenile Skeleton. Master's Thesis, Mercyhurst College.
- 2009 Klales A. Sexing of the Human Innominate Using Non-Metric Traits and Statistical Analysis. Master's Thesis, Mercyhurst College.
- 2009 Vollner J. A New Metric Procedure for the Estimation of Sex and Ancestry from the Human Innominate. Master's Thesis, Mercyhurst College.
- 2010 Fojas C. A Radiographic Assessment of Age in a Modern Subadult Sample: Distal and Proximal Radius Epiphysis Presence. Master's Thesis, Mercyhurst College.
- 2010 Hughes CE. Biological Variation among Modern Maya of Guatemala: Discerning Population Structure and Related Sociohistoric Factors. Doctoral Dissertation, University of California, Santa Cruz.
- 2010 Kenyhercz M. Sex and Ancestry Estimation Using the Distal Humerus: Utilizing GIS, Elliptical Fourier Analysis, and Discriminant Function Analysis to Examine the Olecranon Fossa. Master's Thesis, Mercyhurst College.
- 2011 Getz S. An Investigation and Critique of the DiGangi et al. (2009) First Rib Age-at-Death Estimation Method. Master's Thesis, Mercyhurst College.
- 2011 Rusk K. Geometric Morphometric Analysis of Sex- and Ancestry-Specific Size and Shape Differences in the Human Sacrum. Master's Thesis, Mercyhurst College.

- 2011 Waldock K. Using Maximum Radius Length to Estimate Age of Subadults. Master's Thesis, Mercyhurst College.
- 2012 Diefenbach L. Age Assessment via Radiographs of the Human Elbow. Master's Thesis, Mercyhurst University.
- 2012 Ertl A. Assessing Neonatal Development with Radiography. Master's Thesis, Mercyhurst University.
- 2012 Kuhns M. The Quantum Effect: The Relationship between Genes and Morphology. Master's Thesis, Mercyhurst University.
- 2013 Yuzwa T. Using Multivariate Statistical Methods to Explore Integration and Modularity in the Human Cranial Vault. Master's Thesis, Mercyhurst University.
- 2013 Messer D. Human Craniometric Sexual Dimorphism and Rensch's Rule. Master's Thesis, Mercyhurst University.
- 2013 Hatza A. Estimating Stature when Ancestry is Unknown: What Statistical Methods Work Best? Master's Thesis, Mercyhurst University.
- 2013 Stull K. An Osteometric Evaluation of Age and Sex Differences in the Long Bones of South African Children from the Western Cape. Doctoral Dissertation, University of Pretoria, South Africa.
- 2014 Gentner L. Assessing sex and ancestry using cementoamel junction diameters of modern Americans. Master's Thesis, Mercyhurst University.
- 2015 Baumgarten SE. Sex Estimation Utilizing New Measurements of the Innominate. Master's Thesis, Mercyhurst University.
- 2015 Boeyer ME. Age Estimation and Secular Changes in Knee Development: A Radiographic Approach. Master's Thesis, Mercyhurst University.
- 2015 Roth M. Assessing the Accuracy of the TW3 Method of Age Estimation in a Modern Sample of American Children. Master's Thesis, Mercyhurst University.
- 2015 Sanders KE. Population Change in Ancient Egypt and the Neighboring World: A Multivariate Craniometric Study. Master's Thesis, Mercyhurst University.
- 2016 Carpenter KA. Age Estimation Using the Development of the Foot and Ankle. Master's Thesis, Mercyhurst University.
- 2016 Furnier SM. Differential Skeletal Maturity in US Black and White Children from Birth to Six Months. Master's Thesis, Mercyhurst University.
- 2016 Griffin J. A Metric Method for Adult Age Estimation Using Vertebral Osteophytosis. Master's Thesis, Mercyhurst University.
- 2017 Barninger (nee Conley) J. Testing Fazekas and Kosa (1978) Age Estimation Standards Using Ultrasound Data. Master's Thesis, Mercyhurst University.