

CHRISTINE ANNE HUMAN

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Education

University of California, Berkeley, PhD in Geotechnical Engineering, July 1992
 Dissertation title: Time dependent property changes of recently deposited or densified sands
 Minor fields: Geological Engineering and Engineering Analysis
 Thesis adviser: Prof. J.K. Mitchell
 University of California, Berkeley, MS in Geotechnical Engineering, 1986, GPA 3.87/4.0
 Institution of Civil Engineers, UK, Civil Engineering Law and Contract Procedures, 1985 (papers 1,2)
 University of Manchester, UK, BS in Civil Engineering, First Class, 1982

Employment

SUNY at Buffalo (Spring 2003 to present)

Lecturer

Associate Dean for Accreditation and Student Affairs (July 2014 to present): responsible for leading the School's accreditation processes; acts a school's course evaluation liaison; coordinates school wide events such as Commencement, Order of the Engineer; manages school-wide scholarships and transition of scholarships to the new university-wide scholarship management system; oversees grievances at the decanal level; manages engineering partnership funds to support student club activities; member of numerous university-wide committees including Provost's taskforce for international student engagement and inclusion (2015-2016), CISP (2016-present), Space Utilization Committee (2015 to present), Academic Integrity Committee (2016-2017).

Director of Undergraduate Studies for the Civil Engineering Program (Sept 2011 to June 2014): advised students, implemented curriculum change to include capstone design course, coordinated ABET assessment activities and authored ABET Self-Study report for successful 2014 site visit.

Dual Diploma Program Academic Coordinator (Sept 2011 to present): provides orientation and academic advisement to all Dual Diploma Program students while they are at UB; works with Istanbul Technical University to coordinate the program and improve academic success.

Courses taught: EAS 198 UB Seminar (1-credit), EAS 199 UB Seminar (3-credit), EAS 209 Mechanics of Solids, CIE 361 Undergraduate Laboratory, CIE 334 Soil Mechanics, CIE 415 Professional Practice Issues, CIE 435 Foundation Engineering, CIE 437/529 Pavement Materials and Design, CIE 439 Transportation Systems Design and CIE 101 Civil Engineering Creations.

Polytechnic University, Brooklyn (Fall 1999)

Adjunct

Professor

Instructor for CE417 Foundation Engineering, a senior class given at the Long Island (Farmingdale) Campus. Received teaching commendation from ASCE Student Chapter.

Mueser Rutledge Consulting Engineers, New York (June 1995 to October 1997)

Senior Engineer

Experience in design of soil-bentonite hydraulic barriers. Projects included evaluation of an existing soil-bentonite wall to determine the cost effectiveness of extending the wall, review of geotechnical information and construction records to assess the source of seepage at a site where a soil-bentonite barrier had been constructed and design of new hydraulic barriers for both site remediation and groundwater control. Design projects followed from review of the available geotechnical information, through the site investigation, laboratory testing, analysis and design, to production of contract drawings and specifications. Other projects included geotechnical engineering services to three separate consulting teams providing cover alternatives for a large New York City reservoir, stability analysis of a roller compacted dam in North Carolina, geotechnical engineering for deepening of a berth along the New Jersey waterfront and site specific seismic analysis of a large public building in Brooklyn. For this latter project the computer programs SIMQKE and SHAKE were used. Also involved in several projects where MRCE provided expert testimony. Personally attended one mediation hearing.

Dar Al-Handasah Consultants (Shair and Partners) Lebanon (Feb 1993 to Nov 1994) **Engineer**
 Prepared site investigation tender documents and carried out site supervision for several major projects in Lebanon including the new Beirut International Airport, Beirut Central District Reconstruction and many smaller projects. Provided design recommendations on some of the above projects, predominantly foundation design and pavement design. Prepared specifications for earthworks and excavation support. Also involved in design review of 88 km highway in Jordan.

University of California, Berkeley (Fall 1988 to Spring 1992) **Research Assistant**
 Conducted research into time dependent property changes of recently deposited or densified clean sand. This project included measurement of shear wave velocity, electrical conductivity and cone penetration resistance in the laboratory and a field study of the change in cone penetration resistance with time after the 1989 Loma Prieta Earthquake.

University of California, Berkeley (Fall 1986 to Spring 1988) **Teaching Assistant**
 Assisted with graduate and undergraduate soil mechanics and undergraduate groundwater classes.

University of California, Berkeley (Summer 1986) **Research Assistant**
 Modeled the behavior of a reinforced embankment built on peat using finite elements. Results of the analysis were presented at a prediction symposium held in London, England.

WS Atkins and Partners, Surrey, UK (Sept 1983 to Aug 1985) **Trainee Civil Engineer**
 Carried out small geotechnical investigations from desk study through preparation of plans and specifications, contractor selection, site supervision and production of the final engineering report. Field experience also included six months site supervision for a large motorway site investigation (M20). Designed flood protection embankment (Algeria), piles for a multi-story parking structure, the retaining walls for a boiler house basement extension and performed a back analysis of a motorway interchange failure.

Soil Mechanics Ltd., Berkshire, UK (Oct 1982 to Aug 1983) **Geotechnical Engineer**
 Produced a factual report for a large motorway (M11) site investigation. Assisted in design projects using in-house computer programs.

Publications

C.A. Human, R.B. Seed, J.K. Mitchell and R.I. Borja, "Prediction of the Stansted Abbotts Trial Embankment", Proceedings of The Prediction Symposium of a Reinforced Embankment on Soft Ground, 17-18 Sept 1986, Kings College London.

P.J.M. Monteiro and C.A. Human, "Blended and Modified Cements", Cements Research Progress, 1989, Cements Division American Ceramics Society, 1990

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Awards

Outstanding Contributions to International Education Award, UB, 2018
 UBExcite Grant, to restructure EAS 209, 2017
 Educator of the Year, Erie Niagara Chapter NYSSPE, 2015
 Edgar Morton Prize for Geotechnical Subjects, Manchester, 1982
 Outstanding Graduate Student Instructor, UC Berkeley, 1988