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**DR. DAVID S. YANG**

**SPECIALTY/SKILLS:**

Specialty geotechnical processes, researcher

**GEOGRAPHIC BASE:** Fremont, CA

**TYPE OF COMPANY:** S Corporation

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**RESUMÉ**

**DR. DAVID S. YANG**

<b>EDUCATION</b>	B.Sc. Civil Engineering National Taiwan University, Taipei, Taiwan M.E. Civil Engineering Tohoku University, Sendai, Japan Ph.D. Civil Engineering Purdue University, West Lafayette, Indiana, USA
<b>PROFESSIONAL QUALIFICATIONS</b>	Fellow, Center for Advanced Infrastructure and Transportation (CAIT), Rutgers, the State University of New Jersey Licensed Civil Engineer, California Licensed Geotechnical Engineer, California
<b>PROFESSIONAL SOCIETIES</b>	Member, American Society of Civil Engineers Member, Deep Foundations Institute Member, Earthquake Engineering Research Institute Member, American Society of Testing and materials

**PROFESSIONAL  
COMMITTEES**

ASCE Ground Improvement Committee  
DFI Deep Mixing Committee

**DISTINCTIONS**

Keynote Lecturer - Deep Mixing '05, the International Conference on Deep Mixing and the Swedish Deep Stabilization Research Centre, Stockholm, Sweden, 2005  
National/Regional Report – Deep Mixing '09, the International Symposium on Deep Mixing and Admixture Stabilization, Okinawa, Japan, 2009  
Keynote Lecturer - The International Symposium on Recent and Future Technologies In Coastal Development, Port and Airport Research Institute (PARI), Ministry of Land, Infrastructure, Transport, and Tourism (MLIT), Yokohama, Japan, 2010

**PROFESSIONAL  
EXPERIENCE AND  
BACKGROUND**

**PRINCIPAL, DSY GEOTECH, INC., FREMONT, CA, APRIL 2011 TO PRESENT**

Dr. Yang formed DSY Geotech, Inc. and acts as President. DSY Geotech offers advisory services in the practical and business aspects of specialty geotechnical construction, with a focus on ground improvement techniques.

**RAITO, INC., SAN LEANDRO, CALIFORNIA, JANUARY 1998 TO MARCH 2011**

Dr. Yang was the Vice President of Raito, Inc., a specialty company in the area of ground improvement technologies including Cement Deep mixing, Dry Jet Mixing, Soil Mixing Wall, Jet Grouting, and other soil improvement technologies. Dr. Yang was responsible for the application of these soil-mixing technologies in the areas of geotechnical engineering and environmental engineering and provides technical support to owners and designers. Dr. Yang also provided consultation to Raito's construction team on quality control and quality assurance of the soil mixing work. Because of his experience in numerous deep mixing projects in the United States and overseas, Dr. Yang was an invaluable resource for the engineers and designers who were planning or designing deep mixing projects.

**SMW SEIKO, INC., HAYWARD, CALIFORNIA, JANUARY 1988 TO DECEMBER 1997**

Dr. Yang was the Vice President of SMW Seiko, Inc.; a company developed the Soil Mix Wall (SMW) method for installation of soil-cement walls for excavation support and groundwater control. He was responsible for the design, quality control, and quality assurance of the soil mixing wall work in the U.S.

**J.V. Lowney & Associates, Palo Alto, California, 1985 to 1987**

Dr. Yang provided geotechnical engineering consultation and testing services for various industrial, residential, and public works projects in Northern California.

**ASSOCIATED GEOTECHNICAL ENGINEERS, SAN JOSE, CALIFORNIA, 1982 TO 1985**

Dr. Yang worked for Associated Geotechnical Engineers in San Jose California as Project Engineer. His duties included cost estimates, consultations with clients and report preparation. Experience included seismic risk analysis, seismic response analysis, static and seismic resistance design of earth structures and sanitary landfills, and geotechnical studies for commercial, industrial and institutional facilities.

**PURDUE UNIVERSITY, DEPARTMENT OF CIVIL ENGINEERING, PH.D. RESEARCH, WEST LAFAYETTE, INDIANA, 1977 TO 1982**

David Yang worked at Purdue University as a Graduate Research Assistant. His performed research on anchored bulkheads by using Finite Element Method and Reliability Theory. He also assisted in foundation design for new construction for Purdue University.

**TOHOKU UNIVERSITY, DEPARTMENT OF CIVIL ENGINEERING, SENDAI, JAPAN, 1974 TO 1977**

David Yang worked as a Graduate Research Assistant at Tohoku University. His research focused on the dynamic properties of soils, rock, and other construction materials using the Resonant Column Apparatus and other vibration measuring devices.

**PUBLICATIONS:**

Dr. Yang is the co-author of the Federal Highway Administration Design Manual “Deep Mixing for Embankment and Foundation Support” and the co-author of Chapter 3 - Mix-in Place Technologies of the book “Specialty Construction Technologies for Dam and Levee Remediation: The U.S. Technology Review.” Both documents are in the final review stage.

Various publications on Deep Mixing Method.