

PROFESSION

Registered Engineer

REGISTRATIONS

Registered Civil Engineer -
State of California

EDUCATION

B.S. Mining Engineering,
University of Petrosani,
Romania

Courses as part of Master of
Science in Civil Engineering
– Geotechnical, Cal Poly
Pomona, California

AutoCAD intensive courses --
Ketiv Technologies,
California

**PROFESSIONAL
EXPERIENCE**

GMU Geotechnical, Inc.
(2002-Present)

Field Technician to Project
Engineer, Rancho Santa
Margarita, California

GEOBASE Inc.
(2000-2002)

Field Technician, Lake Forest,
California

E. M. Anina
(1995-1997)

Staff Engineer to Project
Engineer, Anina, Romania

SUMMARY OF EXPERIENCE & QUALIFICATIONS

Mr. Stoica has gained knowledge from his progressively responsible engineering experience in a wide variety of geotechnical engineering projects. He has worked successfully for and with industrial, residential, and commercial developers, master community planners, and governmental agencies. He has experience in landslide remediation design, slope stability analysis, MSE Walls design, forensic evaluation of residential and commercial construction, development and investigation of subsurface investigations, geotechnical instrumentation, residential and commercial development, public works projects, overseeing laboratory testing, and AutoCAD drafting. As GMU's lead MSE Wall design engineer, Mr. Stoica has designed over 100 MSE Walls in communities throughout Southern California. Selected projects representative of Mr. Stoica's experience are described below:

- MSE wall design
- Commercial, Industrial, and Retail Projects
- Groundwater Studies
- Landslide/Slope Stability Investigations & Slope Repairs
- Master Planned Communities
- Forensic Evaluation of Industrial, Commercial, and Residential and Projects

REPRESENTATIVE PROJECTS

MSE WALLS DESIGN:

- San Dimas Ranch, San Dimas
- Granite Home, Rancho Cucamonga
- Chino Hills Sports Park, Chino Hills
- Irvine Company, Crystal Cove, Laguna Beach
- University of California, Irvine
- Poppy Trail, Rolling Hills
- Rancho Mission Viejo, Ortega Gateway
- Single-Family Custom Home, Coto de Caza
- Riverside Community College, Riverside
- Summit Crest, Lake Forest
- Lake Sherwood Golf Course, Westlake Village

COMMERCIAL, INDUSTRIAL, AND RETAIL PROJECTS:

Ladera Corporate Terrace – Lutzky Development – Ladera Ranch, CA: Field observations of different construction stages including inspection of spread footings, retaining walls, drainage, and fill compaction.

Braille Institute – Irvine, CA: Geotechnical investigation for a proposed commercial structure.

GROUNDWATER STUDIES:

Koll Co. La Costa Meadows Groundwater Study – San Marcos, San Diego County, CA: Drilling and installation of eight monitoring wells to evaluate artesian conditions within volcanic bedrock materials.

Dewatering Study for 650/670 Newport Center Drive – Newport Beach, Orange County, CA: Drilling and installation of four observation wells and a pumping well to evaluate bedrock seepage at proposed eight-level parking garage with four subterranean levels.

LANDSLIDE/SLOPE FAILURE INVESTIGATION AND/OR REPAIR:

Horseshoe Landslide – Anaheim Hills, CA: Design of tie-backs and landslide drainage.

Poppy Trail Slide – Rolling Hills, CA: Geotechnical investigation of large slope failure in a private community, including MSE and retaining wall design, and data analysis.

Deerhaven Landslide – Cowan Heights, CA: Slope stability analysis, design of the tie-backs.

MASTER-PLANNED COMMUNITIES:

Rancho Mission Viejo Planning Area 1 – Rancho Mission Viejo, Orange County, CA: Geotechnical investigation, stability analyses, liquefaction hazards, time-delayed settlement.

Crystal Cove Development – Newport Beach, CA: Geotechnical investigation, installation and monitoring of slope inclinometers, settlement analyses.

FORENSIC EVALUATION OF INDUSTRIAL, COMMERCIAL, AND RESIDENTIAL PROJECTS:

Printronic, Inc. – Irvine, CA: Geotechnical evaluation of the wall distress of a commercial building.

Panel Systems, Inc. – Irvine, CA: Geotechnical evaluation of the slab distress.

Vista Fire Station – City of Vista, CA: Site inspection and manometer survey to evaluate the levelness of the apparatus bay slab.

Symantec Inc. – Springfield, OR: Evaluation of the performance of the slab, determine the moisture penetration rate.

Forensic Evaluation of Various Residential Projects – San Juan Capistrano; Riverside; Orange; Bakersfield; Concord; Las Vegas, NV.