

In the name of God

A tribute to Late Professor Seyed Amirodin Sadrnejad

Seyed Amirodin Sadrnejad, a professor of civil engineering at K.N.Toosi University of Technology and the general manager and a member of the editorial board of the Journal of Numerical Methods in Civil Engineering, passed away on March 21st 2018 (Noroz 1397 SH).

He was born in central Tehran to a traditional family in 1954 (1333 SH) and attended Marvi's school alongside with his elder brother, Seyed Khatiboleslam Sadrnejad (currently a professor in Sharif University) and both were later admitted to Sharif University of Technology. Dr. Sadrnejad graduated in 1977.

Later he was employed as Lecturer in 'Shahid Rajaaee Technical and Vocational, Teacher training University and was transferred to K.N.Toosi University of Technology in 1983. He was awarded post graduate scholarship and traveled to University of Wales, University College, Cardiff for a Master Degree in 1984.

His tireless efforts during his short stay in Cardiff made him prominent both in the College and among the local Iranian society. He worked on the development of a model for secondary consolidation of clays for his Master's thesis under the supervision of Dr. H.R. Thomas, while helping out in various social activities.

Despite Dr. Thomas's insistence for him to stay on for Doctoral degree, Dr. Sadrnejad was in search of unchecked realms of knowledge. So he moved to Swansea College of University of Wales in 1986 in pursuit of a new field of research. Dr. G.N. Pande, who was then on the verge of Professorship, offered him a position to further develop the newly proposed multi-laminate framework. Multi-laminate or sometime known as micro-plane framework was a method of inclusion of inherent as well as induced anisotropic effects in modeling of rock and soil mass behavior. The method was pioneered a decade earlier by Professor Zienkiewicz and Dr. Pande was renowned worldwide for this method. Dr. Sadrnejad soon covered all aspects of the field and having made his contribution, completed his thesis and graduate in less than three years.

Upon his return to K.N.Toosi University of Technology in early 1989, he engaged in various academic endeavors a list of which is presented hereunder:

1- Courses taught:

- Foundation Engineering
- Advanced Soil Mechanics
- Advanced Foundation Engineering
- Theory of Elasticity
- Theory of Plasticity
- Numerical methods in Geomechanics
- Numerical Methods in Structural Engineering
- Finite Element Methods I for MSc students.
- Finite Element Methods II for PhD students
- Advanced Mechanics of Materials for PhD students

- Numerical methods in Environmental Engineering
- Earth dam Design
- Stability of Underground Structures
- Application of FEM in Surveying Engineering
- Soil Dynamics
- Continuum Mechanics

2- Research Publications:

- Over 80 journal papers (English and Farsi)
- Over 50 conference papers

3- Published Books (in Farsi)

- Soil Plasticity and Constitutive modeling
- An introduction to Finite Element Method
- Foundation Engineering
- Numerical Analysis of Earth Dams
- Finite Element Method in Plasticity
- Finite Point Method for Analysis of Earth and Concrete Structures
- Fundamentals of Finite Element Method in Structural Dynamics
- Manual of Pipeline Welding
- Penstock Design
- Design of Hydromechanical Equipment for Dams
- Maintenance Manual for Peugeot 405

He also supervised a large number of MSc and PhD thesis.

Dr. Sadrnejad undertook many managerial positions and technical jobs that are reflected in his long and divers resume. One of the more notable accomplishments was his enthusiastic pursuit of his field of specialty leading to prompt academic promotions in the K.N.Toosi University of Technology while directing tedious technical design and manufacture of hydro-mechanical components for a number of large dams under construction. He also acted as the chancellor of 'Shahid Rajaaee Technical and Vocational, Teacher training University in 2002-2005. However, perhaps his most notable achievement is the ever-lasting impression of a steadfast and devoted man in the minds of his students.

He will be missed by all his colleagues and students.

Editorial Board and panel of experts of the Numerical Methods in Civil Engineering Journal