



Professor Manolis Papadrakakis

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<http://users.civil.ntua.gr/papadrakakis/>

<http://www.barnesandnoble.com/c/manolis-papadrakakis>

<http://www.amazon.com/gp/aw/s?i=stripbooks&field-author=Manolis%20Papadrakakis>

<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/p/Papadrakakis:Manolis.html>

http://www.researchgate.net/researcher/70045262_Manolis_Papadrakakis

Institute of Structural Analysis and Seismic Research
National Technical University of Athens, Zografou Campus

1. EDUCATIONAL BACKGROUND

1966 – 1971 National Technical University Athens (NTUA), Greece, School of Civil Engineering (5 year diploma course), Diploma in Civil Engineering

1974 –1975 City University of London, UK, Dept. of Civil Engineering, M.Sc. Degree in Structural Engineering

1975 –1978 City University of London, UK, Dept. of Civil Engineering, Ph.D. Degree in Computational Mechanics

2. PUBLICATIONS

133 Papers in international refereed journals
268 Papers in international conference proceedings
11 Edited books in English
28 Chapters in books
4 Books in Greek
21 International conference proceedings volumes as editor
11 Journal special issues as guest editor

3. SCIENTIFIC ACTIVITIES

Editor of the International Journal Computer Methods in Applied Mechanics and Engineering (CMAME)
Honorary editor of the International Journal of Computational Methods (IJCM)
President of the European Community on Computational Methods in Applied Sciences (ECCOMAS) (2009-)
Chairman of the European Committee on Computational Solid and Structural Mechanics (ECCSM) of ECCOMAS (2003-2008)
Fellow of the International Association for Computational Mechanics (IACM)
Member of the Executive Council of the International Association for Computational Mechanics (IACM)
Recipient of the "Computational Mechanics Award" of IACM
Editor of the ECCOMAS Newsletter/li>
Member of the editorial board of 16 international scientific journals
Member of the General Council of the International Association for Computational Mechanics (IACM)
Director of the Institute of Structural Analysis & Antieismic Research of the Structural Engineering Department, School of Civil Engineering, NTUA
Director of the Interdepartmental Graduate Course of the Structural Engineering Division, School of Civil Engineering, NTUA
Director of the MSc course ADERS, "Analysis and Design of Earthquake Resistant Structures", NTUA
Vice Chairman of the "John Argyris Foundation" (JAF)
President of the Greek Association for Computational Mechanics (GRACM) (2002-2006)
Director of the Structural Engineering Division, School of Civil Engineering, NTUA.(2001-2003), (2009-)
Member of the scientific committee in more than 100 international conferences
Subject Chair for Engineering and Member of the Advisory Committee of the SCOPUS electronic data base
Plenary lecturer or invited lecturer in more than 40 international conferences
Conference co-chairman in 15 international conferences
Organizer of 8 international seminars
Organizer of 16 special sessions in international conferences
He has supervised 150 M.Sc. theses, 40 post-diploma theses and 14 Ph.D. theses

He is supervising 10 Ph.D students

He has participated in 24 competitive research projects funded by national funds

He has participated in 10 competitive research projects funded by EU

Reviewer in 45 scientific journals and book publishing companies

Member in 10 international and national scientific societies

He has more than 2500 citations in international literature with h-factor=24

4. RESEARCH ACTIVITY

The research activity is mainly focused on the development and the application of the latest computer methods and technology to structural engineering analysis and design.

The fields of interest are the following:

- (i) Nonlinear dynamic analysis of concrete and steel structures under seismic loading
- (ii) Solution of large-scale finite element problems with domain decomposition and data handling techniques on high performance parallel and distributed computer environments
- (iii) Large-scale structural and design optimization of real-world structures
- (iv) Solution of large non-linear problems and path-following strategies in solid and structural mechanics
- (v) Adaptive strategies and solution techniques for p, h, hp finite element procedures
- (vi) Solution of large-scale eigenvalue problems
- (vii) Stochastic finite element methods, reliability analysis and Monte Carlo simulation
- (viii) Contact-Impact problems with the finite element method
- (ix) Neural network applications in structural engineering
- (x) Soil-fluid-structure interaction problems

5. EDUCATIONAL ACTIVITIES

Within the period of 26 years in the School of Civil Engineering, NTUA, M.P. has taught the following Subjects:

Undergraduate Courses

- (i) Basic Structural Analysis
- (ii) Basic Structural Analysis
- (iii) Matrix Structural Analysis
- (iv) Dynamic Analysis of Structures
- (v) Plastic Analysis of Structures
- (vi) Analysis of Structures with the Finite Element Method
- (vii) Special Topics in the Analysis of Structures with the Finite Element Method

Postgraduate Courses

- (i) Nonlinear Analysis of Structures with the Finite Element Method
- (ii) Advanced Computational Methods in Mechanics
- (iii) Stochastic Finite Element Analysis of Structures
- (iv) Nonlinear finite modeling of RC and steel members

6. PROFESSIONAL ACTIVITY

1971 – 1974 Military service in the Greek Navy with the rank of Ensign. Professional structural engineer

1978 – now Applied research and consultancy services to industry. Development of finite element codes for software companies in Greece and in other countries of the European Union