

Dr. CONSTANTINE C. SPYRAKOS
Professor, School of Civil Engineering NTUA
Director of the Laboratory for Earthquake Engineering, LEE

1. CONTACT DETAILS

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https://scholar.google.gr/citations?hl=el&user=h90NrksAAAAJ&view_op=list_works

2. AREAS OF EXPERTISE

- Analysis and design of structures subjected to seismic loads
- Evaluation of the behavior of existing structures with analytical and experimental methods
- Strengthening and repair of modern and historic structures and monuments
- Seismic soil-structure interaction
- Seismic risk analysis

3. STUDIES-DEGREES

BA School of Civil Engineering, National Technical University of Athens
Ph.D., M.S.C.E. Civil Engineering Department, University of Minnesota, USA

4. TEACHING EXPERIENCE

1995 - today Professor (since 2007), School of Civil Engineering, NTUA
2005 - 2014 Professor, Graduate School Academy of Engineering for Military Officers, Athens
1983-1995 Professor, Civil Engineering Department, West Virginia University, USA

- Adjunct Professor, Mechanical & Aerospace Engineering Department, West Virginia University.
- Supervised a large number of PhD, MSCE and Diploma Thesis in USA and Greece.
- Classes taught at NTUA: (i) Earthquake Resistant Structures; (ii) Earthquake Engineering; (iii) Engineering Seismology; (iv) Assessment and Retrofit of Existing Structures for Seismic Loads; (v) Advanced Analysis and Design of Structures for Seismic Loads (graduate course).

5. ADMINISTRATIVE ACTIVITIES

2007 - today Director of the Laboratory for Earthquake Engineering, NTUA
2011 - today Member of the Greek Central Archeological Council (CAC)
2017 - today Member of the Greek Central Council of Modern Monuments, (CCMM)
2012 - today President of the Technical Council of the Greek Ministry of Education
2010 - today Representative of NTUA as member of the Technical Board of the Athens University of Economics
2007 - 2009 Director of Structural Engineering Division of the School of Civil Engineering NTUA
2007 - 2009 President of the Greek Concrete Repair Institute, a branch of the International Concrete Repair Institute - ICRI
1998 - 2004 Member of the Board of the Earthquake Planning Protection Organization

6. FUNDED PROJECTS

Coordinator and/ or Partner in research projects funded by international and national organizations, such as the European Community, the National Science Foundation (USA), the Federal Highway Administration (USA), the Greek Parliament, the Earthquake Planning Protection Organization, etc., as well as private Institutions. Indicatively the following recent projects are referred:

1. **PhoMEE - Applications of Phononic Materials and Metamaterials in Earthquake Engineering**, Operational Programme Competitiveness, Entrepreneurship and Innovation, 2018-2021
2. **Evaluation and Retrofit of the Church of the Holy Sepulcher**, Patriarchate of Jerusalem, Israel, 2013-17
3. **Experimental Investigation of the Static and Dynamic Response of Structures with Smart Acquisition Systems Measurements**, OSMOS Group France – Structural Health Monitoring, 2016 - today
4. **Seismic Protection of the Showcases of the Louvre-Abu-Dhabi Museum**, Meyvaert Glass Engineering SA, United Arab Emirates, 2015-17
5. **SEISMO - Seismic Protection of Monuments and Historic Structures**. Thales Context - Greek Ministry of Education and Religions - The European Union, Operational Programme - Education and Lifelong Learning, NSRF 2007-2013

7. SCIENTIFIC RECOGNITION

- **Adjunct Professor** West Virginia University, USA, (1996-today)
- **Doctor Honoraris Causa** School of Civil Engineering "Lyuben Karavelov", Sofia, Bulgaria (2010)
- **Outstanding Researcher Award** from the College of Engineering of West Virginia University.
- Member of the **Organizing Committee** and the **Scientific Committee** of numerous International and National Conferences.
- Member of numerous **Scientific Committees on Earthquake Engineering** including: (i) Committee of the Earthquake Planning and Protection Organization for the development of the Greek Seismic Code for Rehabilitation and Structural Strengthening; (ii) Acting Committee of the Earthquake Planning and Protection Organization to support the Greek Seismic Code for Rehabilitation and Structural Strengthening; (iii) Special Scientific Committee for Earthquake Engineering of the Technical Chamber of Greece.
- **Reviewer** of papers on Earthquake Engineering in many international journals.

8. PROFESSIONAL EXPERIENCE

- Either as a designer or a consultant he has participated in numerous studies and major civil engineering projects in USA, Europe and Asia involving static and seismic related problems, retrofit and repairs of reinforced concrete, masonry and steel structures.
- Technical Consultant-Evaluator in the European Union, Cyprus, USA, as well as public organizations.

9. PUBLICATIONS

- Author of: (i) three (3) books translated in different languages; (ii) fifteen (15) book chapters; (iii) more than sixty five (65) articles in peer reviewed scientific journals; (iv) more than one hundred (100) articles in conference proceedings. (for a detailed list please refer to the webpage: https://www.researchgate.net/profile/Constantine_Spyrakos)
- More than 1500 citations according to Google scholar (**h-index: 22**).