



Academic Personnel Short Profile / Short CV

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| University: | Neapolis University Pafos |
| Surname: | Bellos |
| Name: | John |
| Rank/Position: | Associate Professor / Head of the Department of Civil Engineering |
| Faculty: | School of Architecture, Engineering, Land and Environmental Sciences |
| Department: | Department of Civil Engineering |
| Scientific Domain: | Structural Design – Structural Dynamics – Earthquake Engineering – Digital Design |

Academic qualifications

| Qualification | Year | Awarding Institution | Department | Thesis title |
|--|------|---|--|---|
| PhD in Structural Dynamics | 1989 | State University of New York at Buffalo, New York, USA | Mechanical & Aerospace Engineering | Theoretical and Experimental Analysis of Non-Proportional Damping |
| MSc in Dynamics & Control | 1986 | State University of New York at Buffalo, New York, USA | Mechanical & Aerospace Engineering | Vibrations of Non-proportionally Damped Structures |
| BSc in Naval Architecture & Mechanical Engineering | 1983 | National Technical University of Athens, Greece | Naval Architecture & Mechanical Engineering | Optimal Design of the Ship Deck Structure |

Employment history in Academic Institutions/Research Centers

| Period of employment | | Employer | Location | Position |
|----------------------|---------|---|----------------|--|
| From | To | | | |
| 2017 | Present | Neapolis University Pafos | Pafos, Cyprus | Associate Professor, Head of Civil Engineering Department |
| 2009 | 2017 | Neapolis University Pafos | Pafos, Cyprus | Assistant Professor, Director of Information and Learning Services |
| 1990 | 1991 | National Technical University of Athens | Athens, Greece | Research/Scientific Associate, Shipbuilding Lab |
| 1986 | 1989 | State University of New York at Buffalo | Buffalo, USA | Research/Scientific Associate, Mechanical Systems Lab |

Key refereed journal papers, monographs, books, conference publications etc.

| Ref. Number | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
|-------------|------|---|------------------------|--|------|-----------------------|
| 1 | 2018 | A Decoupling Technique for Non-Conservative Distributed Parameter Systems Attached to Viscous Damping Sources | | Proceeding of the 7 th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete, Greece | | |
| 2 | 2017 | Nature of Coupling in Non-conservative Distributed Parameter Systems Attached to External Damping Sources | Inman, D.J., Bakas, N. | Mathematics and Mechanics of Solids | | p.10812865 1771402 |



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|----|------|--|-------------------------------|---|--------|-------------------------|
| 3 | 2017 | Complete Analytical Solution for Linear Soil Pressure Distribution under Rigid Rectangular Spread Footings | Bakas, N. | International Journal of Geomechanics, ASCE | 17(7) | |
| 4 | 2017 | Numerical Aspects of Incremental Dynamic Analysis for Retrofitting Existing Industrial Steel Building Utilizing SSCD Dampers | Bakas, N., Castiglioni C. | Proceeding of the 6 th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Rhodes, Greece | | |
| 5 | 2015 | Simplified Numerical Modeling of Elevated Silos for Nonlinear Dynamic Analysis | Castiglioni, C, Kanyilmaz, A. | Proceedings of the XXV Congresso C.T.A., Salerno, Italy | | |
| 6 | 2013 | Earthquake Resistant Buildings made of Reinforced Concrete: Static and Dynamic Analysis according to Eurocodes. | Konstantinides, A. | Alta Grafico SA, Athens, Greece | B | ISBN: 978-960-85506-4-3 |
| 7 | 1990 | Controlling Flexible Structures with second order Actuator Dynamics. Institute of Technology | Inman, D.J., Umland J.W. | Proceedings of the 3 rd Annual Conference on Aerospace Computational Control, NASA, Jet Propulsion Laboratory, Pasadena, California | 2 | pp.879-890 |
| 8 | 1990 | Frequency Response of Nonproportionally Damped, Lumped Parameter, Linear Dynamic Systems | Inman, D.J. | Journal of Vibration and Acoustics | 112(2) | pp.194-201 |
| 9 | 1989 | A Survey On Nonproportional Damping | Inman, D.J. | The Shock and Vibration Digest | | |
| 10 | 1989 | Nature of Coupling in Non-conservative Lumped Parameter Systems | Inman, D.J. | Journal of Guidance, Control, and Dynamics | 12(5) | pp.751-753 |



| Exhibitions | | | | | |
|-------------|------|--|-----------------------|---|-----------------------------|
| Ref. Number | Date | Topic | International / Local | Location* | Role in Exhibition |
| 1 | 2019 | Seminar on Eurocodes | Local | Amphitheatre of Neapolis University Pafos | Organizer / Speaker |
| 2 | 2019 | Seminar: Masonry Constructions - Assessment and Interventions for Seismic Load | Local | Amphitheatre of Neapolis University Pafos | Organizer / Chairman |
| 3 | 2017 | European Project Workshop: INNOSEIS – Valorization of Anti-seismic Devices | International | Coral Beach Hotel, Pafos, Cyprus | Presenting Researcher |
| 4 | 2015 | Financing Opportunities through European Programs for Engineers | Local | Seminar Room of Technical Chamber of Cyprus | Organizer / Chairman |
| 5 | 2014 | Seminar: Experiences and conclusions from the recent earthquake in Kefalonia | Local | Amphitheatre of Neapolis University Pafos | Organizer / Chairman |
| 6 | 2011 | Science Revealed 2011 | Local | Famagusta Gate | NUP Research Representative |
| 7 | 2008 | Building Construction according to the Eurocodes 2 and 8 | Local | House of Journalists, Nicosia | Key Note Speaker |
| 8 | 2006 | The Education and the Technology of the Contemporary Engineer | Local | Hilton Park Hotel, Nicosia | Key Note Speaker |
| 9 | 2002 | Strength and Energy 2002 | International | Athens Military Museum | Speaker |
| 10 | 2000 | Strength and Energy 2000 | International | Demokritos National Centre of Scientific Research | Speaker |



| Research Projects | | | | |
|-------------------|-----------|---|--|--|
| Ref. Number | Date | Title | Funded by | Project Role |
| 1 | 2015-2017 | PROINDUSTRY: Seismic PROtection of INDUSTRIal plants by enhanced steel based sYstems | Research Fund for Coal and Steel (RFCS) of European Commission | Coordination and research |
| 2 | 1998-2008 | Development of a unique software package for the static & dynamic analysis of reinforced concrete structures | Company and European Commission Funds | R&D director of pi-Systems International |
| 3 | 1990-1998 | Development of a complete software package dealing with architectural design | Company and European Commission Funds | R&D manager of pi-Systems International |
| 4 | 1996-2000 | Development of a world-wide patented technology for advanced reinforced concrete spiral & cellular stirrups from steel or new materials | Company Funds | R&D manager of pi-Systems International |

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees

| Ref. Number | Period | Organization | Title of Position or Service | Key Activities |
|-------------|---------------|--|---|--|
| 1 | 2018- Present | Technical Chamber of Cyprus (E TEK) | Deputy Director of Regional Committee | Dealing with local technical problems on chamber's behalf |
| 2 | 2018-Present | Cyprus Society of Earthquake Engineering (KYTAM) | Founding Member | Organizing and administrative duties |
| 3 | 2015 | European Commission - European Office of Cyprus | Member of Cyprus National Experts Committee for New Green Jobs and Skills | Proposing and assessing ideas |
| 4 | 2014-2016 | Technical Chamber of Cyprus (E TEK) | Member of Research and Innovation Committee | Contribution to technology, research and innovation in Cyprus |
| 5 | 1996-2008 | pi-Systems International | Head of the R&D Department and Executive Board Member | Directing R&D department and participation in the executive board's meetings |

Awards / International Recognition

| Ref. Number | Date | Title | Awarded by: |
|-------------|-----------|-----------------------|---|
| 1 | 1984-1989 | Research Foundation | National Science Foundation, NASA, United States Air Force, Office of Scientific Research |
| 2 | 1983-1984 | Research Foundation | Mechanical & Aerospace Engineering Department, State University of New York at Buffalo |
| 3 | 1978-1983 | Papastavridios Awards | National Technical University of Athens |

| Other Achievements | | | |
|--------------------|--------------|---|--|
| Ref. Number | Date | Title | Key Activities: |
| 1 | 2019 | Member of Evaluation Committee for the Cyprus Architecture, Property & Interior Design Awards, IN Business Magazine and IMH | Proposal of nominations for the awards, selection for the award winners |
| 2 | 2018-Present | Founding Member of Cyprus Society of Earthquake Engineering (KYTAM) | Organizing and administrative duties |
| 3 | 2018-Present | Deputy Director of Regional Committee of Technical Chamber of Cyprus | Dealing with local technical problems on chamber's behalf |
| 4 | 20015-2016 | Member of the Jury of Architectural Competitions related to Projects for Pafos 2017, European Capital of Culture | Evaluation of architectural proposals, selection for the award winners |
| 4 | 2015 | Member of Cyprus National Experts Committee for New Green Jobs and Skills | Proposing and assessing ideas |
| 5 | 2014-2016 | Member of Research and Innovation Committee of Technical Chamber of Cyprus | Contribution to technology, research and innovation in Cyprus |
| 6 | 2012 | Member of Cyprus Health and Safety Experts Committee in Construction Sector | Dealing with the health and safety rules and regulations to be set in construction |
| 7 | 2009-Present | Scientific Expert for Certifying Energy Performance of Buildings in Cyprus. | Analysing the energy performance of buildings and endorsing certificates |
| 9 | 1996-2008 | Head of the R&D Department and Executive Board Member of the Engineering Software Company pi-SYSTEMS International SA | Directing R&D department and participation in the executive board's meetings |
| 10 | 1898-1994 | Member of American Society of Aeronautics & Astronautics (AIAA) | |