



Professor Dimitrios E. Beskos

Dimitri E. Beskos (Editor), *Boundary Element Analysis of Plates and Shells*, Springer, 2012, 368 pages

See:

<http://www.civil.upatras.gr/en/Proswpiko/MelhDEP/entry/BeskosDimitrios/>

<http://www.meees.org/teachers/show/id/45>

http://www.civil.upatras.gr/userfiles/cd3b7fb8-1789-4a17-b149-66a3a5cbba43/b-RESBES_13.06.12.pdf

https://www.researchgate.net/profile/Dimitri_Beskos

<https://scholar.google.com/citations?user=GCaappAAAAAJ&hl=en>

http://www.ae-info.org/ae/Member/Beskos_Dimitri

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Biography:

Dimitrios E. Beskos was born in Athens, Greece (1946). He obtained his diploma in Civil Engineering from the National Technical University of Athens in 1969 and his MSc and PhD from Cornell University, USA, in 1971 and 1973, respectively, both in Structural Mechanics. After serving as Lecturer at Cornell University, USA, for a year (1973-74), he joined the Department of Civil Engineering of the University of Minnesota, USA, as a full-time faculty member until 1981, and as a Visiting Professor until 1984. In 1981 he was elected Professor in the Department of Civil Engineering of the University of Patras, Greece, where he still serves. He has also served as Visiting Professor at the Departments of Civil Engineering of the Colorado State University, USA, (1985-86), and the University of Minnesota, USA (1989). D. Beskos's research work is in the field of Structural Mechanics, Numerical Analysis Methods, with emphasis in Boundary Elements Methods, Earthquake Engineering and Seismic Design of Steel Structures. He has authored more than 430 publications (172 in refereed journals), has written 28 books (20 of them in English) and has over 2000 citations by others with $h=25$. He is Co-Editor-in-chief of "Soil Dynamics and Earthquake Engineering", Past Associate Editor of "Computational Mechanics" and "Applied Mechanics Reviews" and member of the Editorial Board of another 10 international journals. He is also Co-Editor in the series of books on Earthquake Engineering published by WIT Press of Southampton. He is a Fellow of ASCE (American Society of Civil Engineering), IACM (International Association of Computational Mechanics), of New York Academy of Science and of Wessex Institute of Great Britain. He is also a member of the Academia Europaea, the European Academy of Science and Arts and the Congress

Committee of IUTAM (International Union of Theoretical and Applied Mechanics). He is also the President of the HSTAM (Hellenic Society for Theoretical and Applied Mechanics), Past President of the MSRS (Metal Structures Research Society of Greece) and has served as the first President of GRACM (Greek Association of Computational Mechanics). He is a registered Civil Engineer both in Greece and the State of Minnesota, USA, with consulting activities in the fields of Computational Analysis and Design of Structures, particularly Steel Structures, and Dynamic Soil-Structure Interaction.

Awards and Distinctions:

- E. Reissner Medal of 2003 by ICCES for sustained and outstanding contributions to the development of BEMs.
- P.S. Theocaris award of 2007 for the best paper in Applied Mechanics during 2004-2007 by the Academy of Athens (No 140, page 14, co-authored with G.Karlis, S.V.Tsinopoulos and D.Polyzos).
- Lifetime Achievement Medal of 2011 by ICCES for sustained and significant contributions in research, teaching and service to the community in the areas of Boundary Element Methods and Structural Dynamics.
- Volume honoring Professor D.E. Beskos entitled “Recent Advances in Boundary Element Methods”, Edited by G.D. Manolis and D. Polyzos and published by Springer, Berlin 2009.
- Member of Academia Europaea
- Member of European Academy of Sciences and Arts
- Corresponding Member of the Academy of Athens

Research Interests:

Computational Solid Mechanics (mainly boundary element methods) and Computerized Analysis and Design of Steel Structures under Dynamic (Seismic) Loads

Selected Publications:

- G.D. Manolis and D.E. Beskos, Boundary Element Methods in Elastodynamics, Unwin-Hyman, London, 1988.
- Providakis CP, Beskos DE. Free and forced vibrations of shallow shells by boundary and interior elements. Computer Methods in Applied Mechanics and Engineering 1991; 92:55-74.
- D.E. Beskos, Boundary element methods in dynamic analysis: Part II (1986-1996), Applied Mechanics Reviews, 50, 149-197, 1997.
- D.E. Beskos and S.A. Anagnostopoulos, Editors, Computer Analysis and Design of Earthquake Resistant Structures: A Handbook, Computational Mechanics Publications, Southampton, 1997.
- Veletsos AS, Shivakumar P . Tanks containing liquids or solids. Beskos DE, Anagnostopoulos SA, editors. Computer analysis and design of earthquake resistant structures: A handbook, vol. 3. Southampton (UK): Computational Mechanics Publications; 1997. p. 725–73.
- C.P. Providakis and D.E. Beskos, Dynamic analysis of plates by boundary elements, Applied Mechanics Reviews, 52, 213-236, 1999.
- D.E. Beskos, D.L. Karabalis and A.N. Kounadis, Editors, Proceedings of the 4th National Conference on Steel Structures, Typorama, Patras, 2002.
- Papargyri-Beskou, S., Tsepoura, K.G., Polyzos, D., Beskos, D.E., (2003), Bending and stability analysis of gradient elastic beams, Int. Jnl. Solids & Struct., 40, pp. 385-400.
- Papargyri-Beskou, S. & Beskos, D., (2008), Static, stability and dynamic analysis of gradient elastic flexural Kirchhoff plates, Arch. Appl. Mech.,78, 625-635.
- Papargyri-Beskou S, Beskos DE (2009) Stability analysis of gradient elastic circular cylindrical thin shells. Int J Eng Sci 47:1379–1385.

- Papargyri-Beskou S, Giannakopoulosb AE, Beskos DE (2010) Variational analysis of gradient elastic flexural plates under static loading. *Int J Solids Struct* 47(2010):2755–2766
- D.E. Beskos and G. Maier, Editors, *Boundary Element Advances in Solid Mechanics*, Springer, Wien, 2003.
- Dimitri E. Beskos (Editor), *Boundary Element Analysis of Plates and Shells*, Springer, 2012, 368 pages