

Summary Résumé: Gautam Dasgupta — <http://www.columbia.edu/~gd18> Professor, Civil Engineering & Engineering Mechanics (CEEM), **Columbia University**, Mail code-4709
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I: Personal Data

Birth:10-13-46, Calcutta, INDIA; Citizenship: USA; Married, two daughters;
Hobby: World Music; published albums: CBS IND1005 ('82), CBS PANMUSIC JCX6669 ('93),
BMG Crescendo10107 ('98).

II: Professional Preparation

- (a) Bengal Engineering College, West Bengal, Calcutta University, INDIA;
Civil Engineering; BE 1967 and ME 1969 (Major: Applied Mechanics)
- (b) University of California, Berkeley; PhD 1974 (Major: Structural Mechanics)
- (c) Postdoctoral Fellow: U. C. Berkeley; Structural Mechanics; 1974 –1977
- (d) Faculty: Asst. Prof. ('77), Assoc. Prof. ('81), Tenured ('84), Professor ('94)

III: Publications

Journal: 29 (single author), 28 (joint); Chapter: 3; Proceedings, Invited Papers, Invited Seminars:
exceed 50, 15, 300 (National: 100, International: 200), respectively.

IV: Fellowship

- (a) Alexander von Humboldt Stiftung, Germany, 1986-
- (b) Fulbright Senior Professorship, Washington D.C., 1998-99
- (c) US Nat. Research Council, Fellowship, Tech. Univ. Murmansk, Russia, 1997
- (d) Tsunoda Senior Fellow, Columbia and Waseda Universities, 2009-2010
- (e) Guest Faculty Member
 - i. Technische Universität, Wien, Austria, 1982-92, *Assoc. Prof.*
 - ii. Bundeswehr Universität, Hamburg, Germany, 1986-87, *Assoc. Prof.*
 - iii. Technische Universität, Braunschweig, Germany, 1993-94, *Assoc. Prof.*
 - iv. Indian Institute of Technology, Kharagpur, India, 1998, *Professor*
 - v. Indian Statistical Institute, Calcutta, India, 1999, *Professor*
 - vi. Laboratoire d'Optique P.M. Duffieux, Université de Franche-Comté,
Besançon, France, from 2001 to present, *Senior visiting scholar*
 - vii. Université Paul Sabatier, Toulouse, France, Anthropobiologie et Imagerie Anatomique,
from July 2008 to present, *Visiting Professor*
 - viii. Institut für Technische Mechanik, Johannes Kepler Universität Linz,
Austria, from July 2009 to present, *Visiting Professor*

V: Cumulative Research Grant and patent:

- (a) NSF: \$916K, NIH: \$300K (PI: \$1,091K; co- PI: \$375K; NSF Center: \$250K)
- (b) Columbia University Academic Quality Fund: \$250K
- (c) Columbia University: U.S. Patent No. 6,101,450 of Gautam Dasgupta for “Stress Analysis
Using a Defect-Free Four Node Finite Element Technique”

VI: Committee Highlights

- (a) ASCE –Am. Soc. Civil Enggrs.: Engg. Mech. Chair: Elasticity (1979 - 1981),
Bio-engg (1989-1993); Assoc. Editor: J. Aerospace Engg. (2005 to present)
- (b) *IMS* – Int. *Mathematica* Symposium: Chair of the Exec. Comm., 1994 - 2003.

VII: Consultation Highlights

- (a) Bechtel Corporation (soil-structure interactions), San Francisco, 1974 – 1977
- (b) NASA Lewis (probabilistic analysis of space shuttle engines), Cleveland, 1985 – 1987
- (c) Business Advantage Development (computer mathematics), Tapiola, Finland, 1995 –

VIII: Distinguished Collaborators

- (a) Dr. E. L. Wachspress, Prof. Emeritus, U. Tenn and U.C. Berkeley — *finite elements*
- (b) Dean E. Tachibana, Dean Emeritus, — *modeling in energy and economics*
- (c) Sir F. Thackeray, Transvaal Museum, Pretoria, South Africa — *anthropological morphometry*
- (d) Dr. J. Treil, (Chevalier dans l'Ordre National de la Lgion d'Honneur)
Clinique Pasteur, Toulouse, France — *cranio-facial biology and growth calculations*