

Summary Résumé: Gautam Dasgupta — March 5, 2006

I: Professional Preparation

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|-----|----------------|-----------------------|---------------------|----------------------|----------|
| (a) | Undergraduate: | B. E. College | Calcutta University | Civil Engineering | BE 1967 |
| (b) | Graduate: | B. E. College | Calcutta University | Applied Mechanics | ME 1969 |
| (c) | Graduate: | Str. Engg. Str. Mech. | U. C. Berkeley | Structural Mechanics | PhD 1974 |
| (d) | Postdoctoral: | Str. Engg. Str. Mech. | U. C. Berkeley | Structural Mechanics | 1974 –77 |

II: Current position

Columbia University, Professor, Civil Engg. Engg. Mech., (appointment: 1977 as Asst. Prof.)

III: Publications

Journal: 25 (single author), 40 (joint); Proceedings: exceeds 50; Invited Papers: exceeds 12;
Invited Seminars: National exceeds 50; International exceeds 75;

IV: Fellowship

- (a) Alexander von Humboldt Stiftung, Germany, 1986-
- (b) Fulbright Senior Professorship, Washington D.C., 1998-99
- (c) Guest Faculty Member
 - i. Technische Universität, Wien, Austria, 1982-92, *Associate Professor*
 - ii. Bundeswehr Universität, Hamburg, Germany, 1986-87, *Associate Professor*
 - iii. Technische Universität, Braunschweig, Germany, 1993-94, *Associate Professor*
 - iv. Nat. Sc. Council Fellowship, Murmansk U, Russia, 1997, *Professor*
 - v. Indian Institute of Technology, Kharagpur, India, 1998, *Professor*
 - vi. Indian Statistical Institute, Calcutta, India, 1999, *Professor*
 - vii. Laboratoire d'Optique P.M. Duffieux, Université de Franche-Comté, Besançon, France, currently from 2001 to present, *Senior visiting scholar*

V: Cumulative Research Grant and patent:

- (a) National Science Foundation: \$916,000 and National Institutes of Health: \$300,000 (as principal investigator: \$1,091,000; co- principal investigator: \$375,000)
- (b) Columbia University Academic Quality Fund: \$250,000
- (c) U.S. Patent No. 6,101,450 of Gautam Dasgupta (via Columbia University) for “Stress Analysis Using a Defect-Free Four Node Finite Element Technique”

VI: Current Research Collaboration

- (a) Dr. E. L. Wachspress, Prof. Emeritus, U. Tenn and U.C. Berkeley — *mathematical modeling*
- (b) Sir Francis Thackeray, Transvaal Museum, Pretoria, South Africa — *anthropology*
- (c) Dr. Jacques Treil, Clinique Pasteur, Toulouse, France
- (d) Dr. Veikko Keränen, Rovaniemi University of Applied Sciences, Finland — *Computer Math*

VII: Consulting Experiences

- (a) Foundation Engineering: Bechtel Corporation, 1972 – 1974
- (b) Probabilistic Structural Analysis: NASA- Lewis Center, 1981 –1985
- (c) Computer Mathematics Research Consultant:
Rovaniemi Polytechnic, Rovaniemi and Business Advantage, Espoo, Finland, 1991 – 1995

VIII: Editorship and Chair

- (a) ASCE, J. Engg. Mech. (Elasticity, 1980 – 1985)
- (b) ASCE, J. Engg. Mech. (Bioengineering, 1990 – 1995)
- (c) International *Mathematica* Symposium (Chair, Ex. Comm – 1995 – 2003)