

Latifa Sk

B. E. (Civil), M.E. (Structural Engg), PhD (I.I.T. Kharagpur)

Current Address

C/O: Dr. S. J. Hossain
Dept of Civil Engg
I.I.T. Kharagpur
W. B - 721302, India

Permanent Address

Sajahan Road, Ward No-3,
Baruipur, Kolkata
Pin: 700144

Email & Mobile

latifa_sk@yahoo.com
91-9434143450

CAREER OBJECTIVE

To contribute in the field of research and to achieve knowledge, experience and excellence and to become a good teacher.

RESEARCH INTERESTS

- Development of refined models for composite smart structures accounting for the inter-laminar continuity requirements.

EDUCATION

- **Doctor of Philosophy in Aerospace Engineering, 2010**
Indian Institute of Technology, Kharagpur, India
Dissertation (Tentative): Finite Element Analysis of Piezo-Elastic Laminated Composite Shells Based on Mixed Layerwise Theory
Advisors: Late Prof. P.K. Sinha and Prof. P. K. Dutta
- **Master of Engineering in Structural Engineering, 2002**
Bengal Engineering College (D.U), Shibpur, India
Dissertation: Probabilistic Analysis of Random Short Fiber Composites
Advisor: Dr. Subrata Chakraborty
- **Bachelor of Engineering in Civil Engineering, 2000**
Bengal Engineering College (D.U), Shibpur, India

ACHEIVEMENTS

Institute Medal for obtaining highest marks in the department of civil engineering in Master of Engineering (M. E)

PUBLICATIONS

International Journals

1. S. J. Hossain, B. Barman and **Latifa Sk**, 'On a variationally formulated higher order shear deformable C^0 element for the analysis of laminated composite plates' **Computers & Structures** (accepted).
2. **Latifa Sk** and Sinha, P.K., " *Improved finite element analysis of multilayered, doubly curved composite shells*", *International Journal of Reinforced Plastics and Composites*, vol-24, pp: 385-404, 2005.
3. **Latifa Sk** and Subrata Chakraborty, " *Effective Moduli of Random Short Fiber Composite: A Probabilistic Study*", *International Journal of Reinforced Plastics and Composites*, vol-23 (7), pp: 751-760, 2004.

International / National Conferences

4. Latifa Sk and P.K. Sinha, 'Free Vibration Analysis of Laminated Composite Shell Dishes', Proceedings of ICCES, 2005, Indian Institute of Technology Madras, India.
5. S. J. Hossain, Latifa Sk. and Sinha, P.K., '*A doubly curved element for composite shells undergoing finite rotation*', XXI International Congress of Theoretical and Applied Mechanics (ICTAM04), 2004, Warsaw, Poland, Europe.
6. Latifa Sk., S. J. Hossain and Sinha, P.K, ' A general doubly curved element for bending and free vibration analysis of multilayered composite shell dishes', International Congress on Computational Mechanics and Simulation (ICCMS), 2004, I.I.T, Kanpur, India.
7. Latifa Sk and Sinha, P. K., "*Free Vibration of Multilayered Composite Shells*", Proceedings of Structural Engineering Convention: An International Meet (SEC), December' 2003, Indian Institute of Technology Kharagpur, India.
8. S. J. Hossain, Latifa Sk and P.K. Sinha, '*A refined finite element analysis of laminated piezothermoelastic composite shells*', Proceedings of Second ISAMPE National Conference on Composites (INCCOM-2), Twelfth National Seminar on Aerospace Structures (XII NASAS), 2003, pp-307-317, Indian Institute of Science, Bangalore, India.
9. Latifa Sk and Sinha, P. K., "*An Improved Finite Element Analysis of Multilayered Composite Shell Dishes*", Proceedings of Second ISAMPE National Conference on Composites (INCCOM-2), Twelfth National Seminar on Aerospace Structures (XII NASAS)'2003, Indian Institute of Science, Bangalore, India.
10. Latifa Sk and Subrata Chakarborty, "*Reliability of Random Short Fiber Composite*", Proceedings of Structural Engineering Convention: An International Meet (SEC), December' 2003, Indian Institute of Technology Kharagpur, India.

LIST OF REFERENCES

1. Prof. P. K. Dutta
Head of the Department of Aerospace Engineering
Indian Institute of Technology, Kharagpur, India-721302
Phone No: (91)-03222- 283002 (Dept)/283003/ 278166(Res)
Email: pkdatta@aero.iitkgp.ernet.in
2. Prof S. K. Bhattacharaya
Professor, Department of Civil Engineering
Indian Institute of Technology, Kharagpur, India-721302
Phone No: (91)-03222- 2 283410 (Dept)/283411/ 278052 (Res)
Email: bsri@civil.iitkgp.ernet.in

PERSONAL INFORMATION

Date of Birth : 1st Jan' 1977
Nationality : Indian
Marital Status : Married
Hobbies : Reading Story Book, Programming, Listening Music.

Date: 01.01.2011

Place: I.I.T. Kharagpur

(Latifa Sk)