

Computational Mechanics, Numerical Modeling, Project Management

Expertise	Computational Mechanics, Numerical Modeling, Project Management, Database Development
Education	M.S. (Computational Mechanics), 2005, Ruhr University, Germany B.E. (Structural Engineering), 1993, Zhejiang University, PR China
Professional Affiliations	Member: Registered Engineers for Disaster Relief (RedR), Nepal Engineering Council
Languages	Fluent in English, Chinese (Mandarin), Hindi and Nepali
Professional Experience	
2007 – Present	ITASCA Consulting Canada Inc., Sudbury, Ontario, Canada Civil/Geomechanics Engineer
2006	United Nations Mission in Sudan, Sudan, Project Manager
2005 (part-time)	Dortmund University, Dortmund, Germany, Research Assistant
2004 – 2005 (part-time)	Ruhr University, Bochum, Germany, Research Assistant United Nations
2002 – 2003	Mission in Kosovo (formerly, Yugoslavia), Project Engineer
2000 – 2002	Mission in East Timor, East Timor, Civil Engineer
1999 – 2000	Volunteer, Nepal, Site Engineer
1995 – 1998	China Henan International Contracting Company, Nepal Site In-Charge/Laboratory Engineer
1993 – 1995	China Sichuan International Contracting Company, Nepal Engineer

Project Experience

Study of Damage Response of Gurson Material on Triangular Elements: Development of ABAQUS subroutines, formulation of finite-element triangular elements, modeling of simple test structures, study of the damage response and report writing.

Database Development and Manipulation: Development of different database and input files for finite element as well as boundary element packages; manipulation of the same using different programming languages. Development of MS Access database used in engineering and other work.

Code Development: Development of Java codes for finite element analysis and optimization of a selected truss structure. Development of C++ codes for finite element analysis of a framed structure. Development of utility programs used in engineering and others.

Civil Engineering Construction Projects (airport, roads and buildings): Project planning and execution, construction and contract management, estimating and costing, tendering and evaluation, testing and quality control, specifications and bill of quantities, etc.