

DEEPAK SHAH

Department of Mechanical Engineering, University of Alabama, Tuscaloosa, AL 35487

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EDUCATIONAL QUALIFICATIONS

- **Ph.D.**, Aug 2014-Mar 2019 (Expected), Mechanical Engineering, University of Alabama
 - Research Focus: Thermo-fluidics
 - Major Supervisor: Dr. Alexey Volkov
- **B.E.**, Dec 2013, Mechanical Engineering, Tribhuvan University, Nepal
 - Project: A steady-state computational fluid dynamics (CFD) analysis of s809 airfoil

WORK EXPERIENCE

- **Graduate Research Assistant** (Aug 2014-Present), Computational Mechanics Group, Department of Mechanical Engineering, University of Alabama, Tuscaloosa, AL 35487
 - Supervisor: Dr. Alexey Volkov
- **Part-Time Lecturer** (Nov 2013-Jul 2014), Department of Mechanical Engineering, Thapathali Campus, Institute of Engineering, Tribhuvan University, Nepal
 - Undergraduate Level Courses Taught
 - Engineering Drawing - I & II (Lectures and Labs, 24 students/class, 4 classes)
 - Fluid Machines (Labs, 24 students/class, 1 class)
 - Fluid Mechanics (Labs, 24 students/class, 1 class)
 - Associate Level Courses Taught
 - Applied Mechanics (Lectures, 48 students/class, 1 class)
 - Strength of Materials (Lectures, 48 students/class, 1 class)

COMPUTER SKILLS

- Simulation Software and Packages: ANSYS, MATLAB
- Computer Programming Languages: C, FORTRAN
- CAD Software: AutoCAD, CATIA

EXTRA-CURRICULAR ACTIVITIES

- **Organizer** (Feb 2013), 4th National Mechanical Engineering Expo held at IOE, TU
- **Volunteer Manager** (Dec 2011), 3rd National Mechanical Engineering Expo held at IOE, TU
- **Exhibitor** (Sep 2010), 2nd National Mechanical Engineering Expo held at IOE, TU
- **Volunteer** (Apr 2010), RoboCup Nepal 2010 held at Dasarath Stadium in Nepal; organized by Robotics Club, Pulchowk Campus, IOE, TU

PUBLICATION

- **D. Shah** (with B. Regmi and A. Nepal). 2013. *A Steady-state Computational Fluid Dynamics (CFD) Analysis of S809 Airfoil*. B.E. Final Year Project Report.