**ANIL ACHARYA, Ph.D., P.E.**

Associate Professor

Department of Mechanical and Civil Engineering

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**Education**

Ph.D. - Civil and Environmental Engineering, University of Nevada Las Vegas (UNLV), (2011)
M.S. - Water Resources Engineering, Asian Institute of Technology (AIT), Thailand, (2006)
B.S.C.E. - Institute of Engineering (IOE), Tribhuvan University, Nepal (2003)

**Appointments**

2018-Present Associate Professor, Alabama A and M University, Huntsville, AL

2012-2017 Assistant Professor, Alabama A and M University, Huntsville, AL

2011-2012 Research Associate - Idaho Water Center, University of Idaho, Boise, Idaho

2007-2011 Research/Teaching Assistant - University of Nevada Las Vegas (UNLV), Nevada

2006-2007 Design/Resident Engineer, ITECO NEPAL (Branch of ITECO Ingenieurunternehmung AG, Switzerland), Kathmandu, Nepal

2003-2006 Civil/Resident Engineer, Tundi Constructions, Kathmandu, Nepal

**Research interests**Modeling of water resources and environmental systems, climate studies, surface water/ ground water hydrology and interaction, stormwater quality, hydroclimatic modeling (hydrologic forecasting), water resources planning and management, and applications of Geographic Information Systems.

**Teaching Interests**Applied Hydrology/Hydrogeology, Fluid Mechanics and Hydraulics, Environmental Engineering, Engineering Estimations, Engineering Economics, Introduction to Civil Engineering, Senior Design Projects, Elective Courses (e.g. Climate Modeling, Geographic Information System Applications, Urban Runoff Quality and Control).

**Professional Memberships/Activities**

* Professional Engineering (PE) License (NV and AL). Engineering InTern (EIT Cert. No: ‘0T5765’).
* Faculty Advisor, Student Chapter of ASCE at Alabama A&M University (Sep 2012-present)
* Outstanding Faculty Advisor Award (2015), SouthEast Region, ASCE Student Chapter.
* Committee Member, Scholarship Committee for CETPS at AAMU (Sep 2014- 2018)
* Member, American Society of Civil Engineers (ASCE) and Environment and Water Resources Congress (EWRI) (2008-present); American Geophysical Union (AGU) (2008-present); Nevada Water Resources Association (NWRA) (2010-present); American Water Resources Association (2012-2013); Nepal Engineering Council (NEC) (2003-present)
* Review Panels for EPA STAR Fellowship Program (2015) and College Board Advanced Placement (AP) Engineering Courses (2015)

**Selected Publications**

**Acharya, A.** (2018). Evaluating the suitability of application of hydrological models in a mixed landuse watershed. *Journal of Water Management Modeling, 26:C456, doi:10.14796/JWMM.C456*

**Acharya, A.** (2017). Quantification of modeled streamflows under climate change over the Flint River watershed in northern Alabama. *Journal of Hydrologic Engineering, DOI: 10.1061/(ASCE)HE.1943-5584.0001549.*