

# *Curriculum Vitae*

## **NIBERT SALTIBUS**

Assistant Professor in Engineering Technology  
Department of Agricultural Sciences and Engineering Technology  
Sam Houston State University  
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### **EDUCATION**

**Doctor of Philosophy** in Civil Engineering August 2015  
Louisiana Tech University, Ruston, LA

**Master of Science** in Civil Engineering August 2014  
Louisiana Tech University, Ruston, LA

**Bachelor of Science** in Drafting Design Technology / Construction Science  
**Minor:** Mathematics May 2009  
Grambling State University, Grambling, LA  
GPA:3.84/4.0

**Associates Degree** in Architectural Technology December 2003  
Sir Arthur Lewis Community College, Castries, St. Lucia

**Technician Diploma** in Construction August 2003  
City and Guilds of London Institute, London England

### **EXPERIENCE**

**Graduate Assistant/Teaching Assistant** November 2009-July 2015  
Louisiana Tech University, Ruston, LA

**Academic Tutor/Student Instructor** February 2007-2009  
Grambling State University, Grambling, LA

- Tutoring students in Calculus, Algebra, Trigonometry and Physics to improve their learning
- Developing on-the-spot strategic methods to adapt to student learning

**Drafting Technician** October 2006-February 2007  
Department of Engineering Technology, Grambling State University, Grambling LA

- Recorded building dimensions on site to reproduce floor plans needed for renovations
- Helped to prepare workshops facilitated by the department of engineering

**High School Teacher** September 2003-July 2006  
Government of St. Lucia, Castries, St. Lucia

- Taught classes of forty students each in Engineering Graphics and Visual Arts
- Collaborated with other teachers to ensure classroom consistency
- Developed class plans, assignments, and handouts

**Drafting Technician** June 2003  
Total Design Associates, Castries, St. Lucia

- Assisted drafting floor plans for architect
- Conducted research on structures for design purposes

### **LEADERSHIP**

- Publications Representative for NSBE
- First Vice President for CALYPSO

## HONORS

- President's List, Grambling State University
- Certificate of Appreciation, Grambling State University
- Certificate of Excellence, Caribbean Young Leaders

December 2006

April 2007

May 2000

## Louisiana Tech University, Ruston, LA

## TEACHING EXPERIENCE

### Teaching Assistant (Grader)

*Graded the following courses (Assignments and Exams):*

- **MEEN 475** (Mechatronics) - A study of the interface between controllers and physical systems; principals of electromechanical design, digital and analog, circuitry, actuation, sensing, embedded control, and real-time programming.
- **MEEN 215** (Engineering Materials Laboratory) – A laboratory course studying the experimental behavior of engineering materials. Labs include hardness testing, impact testing, tensile testing and heat treating of materials.
- **MEEN 321** (Manufacturing Processes) – A study in the processes used in the manufacturing of machine parts. Designing for manufacturability. Laboratory is operational practice and demonstrations of machine tools, foundry, and welding.

## LAB EXPERIENCE

*Assisted in the Asphalt Lab in conducting various tests for the following class courses:*

- **CVEN 333** (Highway Engineering 2) - Design of culverts and ditches, construction contracts and plans, design pavements using suitable materials, and select procedures for construction and maintenance of pavements and rights-of-way.
- **CVEN 202** (Civil Engineering Materials Lab) - Introduction to laboratory testing of aggregates, concrete, asphalt, steel, and other materials used by civil engineers.
- **CVTE 373** (Construction Materials) - Mechanical behavior of engineering materials, determination of strength and other properties of materials, and construction applications.

*Assisted in the Materials Lab in conducting various tests for the following class course:*

- **MEEN 215** (Engineering Materials Laboratory) – A laboratory course studying the experimental behavior of engineering materials. Labs include hardness testing, impact testing, tensile testing and heat treating of materials.

***Note: All Course Descriptions are taken from Louisiana Tech University Course Catalog***

**Dissertation:** Saltibus, N. E. (2015). “The role of the dewetting mechanism on moisture damage in asphalt pavements.”

### **Reports**

Wasiuddin, N.M., and **Saltibus, N.E.** (2010). Theoretical and experimental determination of adhesion between asphalt binders and aggregates in dry and wet conditions. *Report*, Louisiana Department of Transportation and Development, Louisiana Transportation Research Center, No.00-4TIRE.

### **Presentations**

Wasiuddin, N. M., Marshall, A., **Saltibus, N.E.**, Saber, A., Abadie, C.D., Mohammad, L.N. (2012). Transportation Research Board Poster Winners: “The winner from the first half of the poster sessions, and the overall runner-up...” ASPHALT: The magazine of the asphalt institute, 2012.

Wasiuddin, N. M., Marshall, A., **Saltibus, N.E.**, Saber, A., Abadie, C.D., Mohammad, L.N. (2012). “Use of sweep test for emulsion and hot-asphalt chip seals: laboratory and field evaluation.” TRB 91<sup>st</sup> Annual Meeting *Compendium of Papers, DVD*.

#### *Proceedings*

Wasiuddin, N.M., **Saltibus, N.**, Mohammad, L.N. (2011). “Effects of a wax-based warm mix additive on cohesive strengths of asphalt binders.” 1<sup>st</sup> T&DI Congress 2011, Chicago, Illinois: 2011. *ASCE*. 528-537.

### **Articles in Referred Journals**

Sobolev, K., Vivian, I.F., Saha, R., Wasiuddin, N. M., **Saltibus, N.E.** (2013). “The effect of fly ash on the rheological properties of bituminous materials. Original Research Article. *Fuel*, 116, 471-477.

Wasiuddin, N. M., Marshall, A., **Saltibus, N.E.**, Saber, A., Abadie, C.D., Mohammad, L.N. (2013). “Use of sweep test for emulsion and hot asphalt chip seals: laboratory and field evaluation.” *ASTM. J. of Testing and Materials*, 41 (2).

Wasiuddin, N.M., **Saltibus, N.**, Mohammad, L.N. (2011) “Novel moisture conditioning method for adhesive failure of hot and warm-mix asphalt binders.” *Transportation Research Record*, National Research Council, Washington, D.C.