

# CURRICULUM VITAE

## **PERSONAL INFORMATION:**

- Full name: Netsanet Adgeh EJIGU
- Date and place of birth: 22/01/86, Bahir Dar, Ethiopia
- Nationality: Ethiopian
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## **PROFESSIONAL ASPIRATION:**

I would like to work on a research project to find solutions for challenging engineering problems in the area of energy.

## **HIGHER EDUCATION**

**2016** MSc in Sustainable Energy engineering , Royal institute of Technology, KTH, Sweden

**2012:** International Masters of Science in Fire Safety Engineering (2 years)

**Institution:** Ghent Univ. (Belgium), Lund Univ. (Sweden) and Univ. of Edinburgh (UK)

**Award date:** 25/06/2012

**2003- 2007:** Bachelor of Science in Mechanical Engineering, Bahir Dar University

**Method of delivery:** Fulltime (five years)

## **RESEARCH EXPERIENCE**

- Principal investigator of “ Evaluation of Household Energy Consumption: A case study of Western Amhara region Ethiopia” period (2007 E.C), Grant 123,000 ETB
- Principal investigator of Design and Development of efficient Solar water Heater driven by Peltier Elements -2008 E.C, Grant 158,000 ETB

## **WORK EXPERIENCE**

*Jan 2014- present* Chair of Solar Energy Unit, Bahir Dar Energy Center, Bahir Dar University

*November 2012 –Jan 2014,* lecturer, Faculty of Mechanical and Industrial Engineering, Bahir Dar University and interim head of improved cooking stove research unit at Energy Research Institute, Bahir Dar University.

2008 -2009, Position: Graduate Assistant

Company: Bahir Dar University, Bahir Dar, Ethiopia

Responsibilities

- Coordinating, supporting and tutoring students during their tutorial and lab sessions.
- Managing and organizing lab facilities
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## **CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT**

- April 16-20, 2012: Fire Science and Fire investigation, University of Edinburgh, UK
- July- Nov./2008: ISO 9001:2000, Quality Management Systems, ECBP
- Installation of solar PV and Solar Water Heater, Bahir dar university.

## **PERSONAL SKILLS**

- Able to solve complex engineering problem in an optimized way
- Able to work in challenging tasks and busy environments and under pressure.
- Able to work in teams and make good peer review for colleagues.

## **TECHNICAL SKILLS**

- **Computer Skill:**

- Application and system Software : MS Excel, MS PowerPoint, MS Access, Windows, LINUX,
- CAD Software : AutoCAD and SolidWorks,
- CFD Simulation software :FDS, FLUENT,
- FEM Simulation software: ABAQUS CAE, SAFIR and ANSYS
- Zone modelling software: Cfast, Ozone
- Evacuation modelling software: steps
- Programming Software : C++, MATLAB, and Visual Basic
- **Standards**
  - Familiar with ISO 9001 Quality Management System
  - Familiar with Eurocodes and other international building codes and standards.
  - Familiar with ASTM, European and ISO standards for testing of materials.
- **Languages**
  - English: proficient in speaking, listening, reading and writing

**AWARDS:** Erasmus Mundus Scholarship awards

**MEMBERSHIPS:** International Association for fire Safety Science (IAFSS)  
Society of Fire Protection Engineers (SFPE)

### **PRESENTATIONS**

#### **Conference PRESENTATIONS :**

- April 03, 2012. Structural Behavior of Post-tensioned Laminated Glass Beams. The European, Research Network on Structural Glass, Gent, Belgium
- August 22- 24, 2016. A comparative analysis of urban household energy saving trends between developed and developing countries: a case study of Ethiopia and Sweden. 5th International Conference Exhibition on Clean Energy, Montreal, Canada

### **REFERENCES**

#### **Dr. Solomon Tesfamariam**

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