

# ALKETA SAHITI

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## EDUCATION

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### Applied Engineering Technology, AAS

May 2021

*Des Moines Area Community College*

*Ankeny, Iowa*

- Women in Energy Scholarship (Full-ride scholarship awarded via Kosovo national competition).
- Relevant Coursework: PLC, Advanced PLC, Autocad, Mechanical Power Transmission I & II, Process Control Instrument, Communication Skills, Principle of Business Statistics, Principles of Electricity, Electrical Motor Controls (Average credit load per semester: 20).
- Current GPA: 4.0/4.0
- Enrolled in DMACC Honors Program
- Specialized engineering training; immersed in US culture; refined English language skills.

### Master of Electrical Engineering Sciences

July 2018

*University of Pristina "Hasan Prishtina"*

*Pristina, Kosovo*

- Concentration area: Renewable sources, energy efficiency and economy.
- Thesis title: Load balancing between phases by using smart meters in 0.4 kV voltage level.
- Norwegian University of Science and Technology - One of five students chosen to participate in a fall semester 2016 exchange; Coursework in Renewable Energy Technology, Energy System Analysis, Sustainable Development.
- Relevant Coursework: High Voltage Technique, Power System Planning and Operation, Regulation and Stability of the Power System, Energy Management and Efficiency, Electricity Power Market.
- Average grade: 9.23/10.0.

### Bachelor of Electrical Engineering Sciences

April 2015

*University of Pristina "Hasan Prishtina"*

*Pristina, Kosovo*

- Concentration area: Power Systems.
- Scholarship recipient from University of Pristina after first year, 900 €.
- Scholarship recipient from Municipality of Glogoc after first and second year, 500 €.
- Relevant Coursework: Fundamentals of Electrical Engineering, Electrical Circuits, Electronics, Power Electronics, Electricity Power Production, Electrical installations, Electrical networks, Mathematics.

## PUBLICATIONS

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### Peer reviewed:

- Njomza Ibrahim, Alemayehu Gebremedhin, and **Alketa Sahiti**; 2019; *Achieving a Flexible and Sustainable Energy System: The Case of Kosovo*; *Energies*; 12(24), 4753; Pages 22; <https://doi.org/10.3390/en12244753>; Impact Factor: 2.707 (2018)

### Non-refereed:

- **Alketa Sahiti**, Vjollca Komoni, and Kadri Kadriu; 2019; *Analysis of Load Imbalance Between Phases In 0.4 kV Voltage Level*; 1 st Conference of Nacional Committee CIGRE Kosovo, 06-08th November 2019; Pages 1; Abstract; Vol 1.
- Albina Mekuli, **Alketa Sahiti**, and Behije Ahmeti; 2019; *Energy Trading: Comparative study of long-term and short-term trading*; 1 st Conference of Nacional Committee CIGRE Kosovo, 06-08th November 2019; Pages 1; Abstract; Vol 1.

## TRAINING AND CERTIFICATIONS

<b>Natural Gas</b>   <i>Des Moines Area Community College, Ankeny, Iowa</i>	<b>January 2021</b>
<b>Residential Energy Auditing</b>   <i>Des Moines Area Community College, Ankeny, Iowa</i>	<b>February 2020</b>
<b>Energy Conservation Course</b>   <i>Des Moines Area Community College, Ankeny, Iowa</i>	<b>October 2019</b>
<b>Academy Leadership Program</b>   <i>Kosovo Energy Distribution &amp; Supply Company (KEDS)</i>	<b>June 2014</b>

- Leadership Program Certificate, KEDS Academy.
- Work Safety Training Certificate, KEDS Academy.
- Leadership Program Certificate, Boğaziçi University (Turkey).
- Level 5 Award in Management and Leadership, KEDS Academy Technical Program; Pearson BTEC (Business and Technology Education Council).

## PROFESSIONAL EXPERIENCE

<b>Project specialist</b>	<b>September 2019 – Present</b>
<i>Wind Turbine Laboratory, Des Moines Area Community College</i>	<i>Ankeny, Iowa</i>
<ul style="list-style-type: none"> <li>● Troubleshoot and repair wind turbine equipment, prepare lab exercises for wind classes, assist the Wind Turbine instructor in daily activities.</li> </ul>	

<b>Tutor</b>	<b>September 2019 – Present</b>
<i>Academic Achievement Center, Des Moines Area Community College</i>	<i>Ankeny, Iowa</i>
<ul style="list-style-type: none"> <li>● Tutored three students per week in Applied Math, Applied Math II, Mathematic for Electronics &amp; Computers, Principles of Electricity, Electrical Motor Controls.</li> </ul>	

<b>Metering System Analysis Expert</b>	<b>October 2018 – July 2019</b>
<i>Kosovo Energy Supply Company</i>	<i>Pristina, Kosovo</i>
<ul style="list-style-type: none"> <li>● Calculated the electricity production and demand for Kosovo (6 GWh/year; 5.6 GWh/year).</li> <li>● Analyzed the realization of consumption by seven districts, voltage levels (0.4 kV, 10 kV, 35 kV, 110 kV and 220 kV) and consumer categories (households and industrial).</li> <li>● Calculated energy losses during transmission from power generation station to substations, substations to end consumers.</li> <li>● Observed the energy balance between supply and demand on specific periods of time (hourly, monthly, and yearly).</li> <li>● Observed, analyzed and sent to the Tariff Office and Regulatory Issues data on energy production on the delivery point and imports.</li> <li>● Observed and analyzed maximal and minimal loads of consumption at the level 400/220 kV and 110 kV.</li> </ul>	

<b>Midterm Trading Expert</b>	<b>July 2014 –September 2018</b>
<i>Kosovo Energy Distribution and Supply Company/ Kosovo Energy Supply Company</i>	<i>Pristina, Kosovo</i>

- Prepared trading tenders on buying and selling on a daily and monthly basis.
- Organized and executed trading activities.
- Compared Hungarian Power Exchange (HUPX) data with other regional energy market exchanges.
- Ensured the implementation of the trading plan to acquire low energy prices and guarantee stable electricity supply.
- Finished import transactions on average 750,000 MWh/yearly, in average monetary value of 50,000,000 €.
- Ensured the performance of trading activities by appropriate deadlines and quality.
- Analyzed and reported the realization of invoices of import/export.

### **PROFESSIONAL ORGANIZATION MEMBERSHIPS**

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- National Committee CIGRE (International Council on Large Electric Systems) Kosovo, **September 2018 – Present**
- Association of Women in the Energy Sector of Kosovo **September 2018 – Present**

### **SKILLS**

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- Albanian (native), English (fluent), Italian (basic), German (basic).
- Proficient in PLC programming, Matlab, EnergyPLAN, AutoCAD, and RETScreen, Microsoft Office Suite
- Detail oriented; Presentation; Active Listening; Research; Teamwork; Written & Oral Communication; Problem solving; Multitasking; Analytical skills; and Decision making.