



Pan African University
Institute of Water
and Energy Sciences

PAUWES

Graduate Class of 2018

advancing africa



PAUWES

Director's Statement

Prof. Abdellatif Zerga
zergaA@africa-union.org

It is my pleasure to present the 3rd cohort of Pan African University Institute of Water and Energy Sciences (PAUWES) who have weathered through an excellent academic and disciplinary training in the field of Energy and Water (Engineering and Policy tracks).

The 79 graduates coming from countries across Africa have worked zealously over the past two years to gain mastery in the field of Water and Energy Sciences. After successfully completing their coursework requirements, they conducted practice-oriented research for their master thesis based on case studies relevant to continent-wide issues. Their exposure to first class tuition, academic exercise and internship across various private and public sectors have culminated into making them innovative, motivated and entrepreneurial. It is of no wonder that our students keep conceiving and implementing ideas and projects such as the Entrepreneurship and Innovation Club and PAUWES Climate Change and Gender Club which aims at tackling the most burning issues of energy and water security through the creation of climate change awareness across Africa; in addition to taking active roles in managing a student social networking platform - the Community of Practice (CoP).

We, as an institute, pride our self in fostering the academic setting required to ensure the success of our students. I must acknowledge also that our success so far could not have been possible without the unflinching support of the Algerian Ministry of Higher Education and Scientific Research, the German Ministry of Economic Cooperation and Development (BMZ), the German Ministry of Education and Research (BMBF), the German Technical Development Agency (GIZ), the German Development Bank (KfW) and the German Academic Exchange Service (DAAD) as well as the German Higher Education Consortium, and all research partners of PAUWES in Africa such as, WASCAL, 2IE, and the University of Niamey in addition to our host institute—the University of Tlemcen. I also would like to thank the PAU Rectorate, PAUWES staff and lecturers for their support and commitment.

One of the main goals of this institution is to promote the diversity and innovative spirit found within Africa. It is within this mind-set that PAUWES has attracted a larger amount of students from more African nations than ever before. We are proud to announce that we will be welcoming 62 students from more than 20 countries this coming fall as the incoming Class of 2019. It is with great confidence that we send off the Class of 2018 into their bright futures and look optimistically towards educating the next generation of African leaders in the field of energy and water engineering and policymaking to meet the goals of Agenda 2063.



Pan African University (PAU)

Research and Education for a Peaceful,
Prosperous and Integrated Africa

The Pan African University (PAU) is an initiative of the African Heads of State and national governments of the African Union. It is a premier continental university network whose mission is to provide a comprehensive postgraduate education geared towards the development of a prosperous, integrated and peaceful Africa. PAU is part of an African Union Commission (AUC) initiative to revitalize higher education and research in Africa. The PAU strives to foster academic excellence and to enhance the quality of education all the while promoting the attractiveness and global competitiveness of African higher education and research. Five thematic institutes have been established in Algeria, Kenya, Nigeria, Cameroon, and South Africa. The institutes provide Master and PhD programmes and engage in collaborative and development-oriented research. The PAU aims to provide the opportunity for advanced graduate training and postgraduate research to motivated African students. Other objectives also include promoting mobility of students and teachers, as well as harmonizing programs and degrees within the African continent.



Pan African University

Institute of Water and Energy Sciences (including Climate Change) - PAUWES

PAUWES constitutes one of the five institutes of the Pan African University focusing on Water and Energy Sciences.

Degree Programmes:

Master of Science (M.Sc.) in ENERGY

- > Engineering Track
- > Policy Track

Master of Science (M.Sc.) in WATER

- > Engineering Track
- > Policy Track

Language of instruction: English

Launched in 2014 as one of the specialized PAU institutes, the Pan African Institute for Water and Energy Sciences (including climate change) (PAUWES) is committed to educating and shaping the next generation of African leaders who will address the issues critical to Africa's sustainable development, such as water, clean energy, and the challenges associated with climate change. PAUWES offers our graduate students with a diversity of academic perspectives by attracting faculty from across Africa and around the world, as well as providing our students with the tools and training needed to ensure their future success.

The institute is supported by the host country of Algeria as well as the host University of Tlemcen—and the key thematic partner, Germany.

This booklet is dedicated to the 79 students representing the Class of 2018. We are proud to invite you to read their profiles.



PAUWES

Graduate Class
of 2018



MEGNE WAFFO
BENEDICTE

megnew.bed@gmail.com

Home country: Cameroon

Working language(s): English, French

M.Sc. thesis :

Technical feasibility of biogas production from pig and poultry manure for electricity generation in Ngaoundere - Cameroon : case of Manwi district

Supervisor: Fouzi Tabet

Doctor and group leader in German Biomass Research Center (DBFZ)

Master of
Science (M.Sc.)
in **ENERGY**

Profile:

Megne Waffo Benedicte holds a Master's degree in Solid Mechanics from the University of Ngaoundere in Cameroon. She joined PAUWES to study energy engineering due to her interest in multidisciplinary studies. She acquired skills in maintenance of heating and cooling equipment after professional studies in thermal and energy engineering at the University Institute of Technology of Ngaoundere and internships at Hôtel des Députés of Yaoundé in Cameroon. Waste management, energy efficiency in buildings and rural electrification are her main fields of interest. Benedicte would like to work as a consultant in renewable energies and in the future create an energy research center.

Energy Engineering Track



JEAN MICHEL MUSAMBI

michel.musambi@aims-cameroon.org

Home country: Burundi

Working language(s): English, French

M.Sc. thesis :

Study of the feasibility of a proposed micro hydropower system for rural electrification: the case of Burundi

Supervisor: Ancha Venkata Ramayya
Professor

Profile:

Jean Michel Musambi is a pragmatic and confident graduate student in Energy Engineering. He is an enthusiast and idealistic person who believes in a world of equity, peace and sustainability. He holds a Bachelor's degree in Fundamental Physics from the University of Burundi and a Master's degree in Mathematical Sciences from the African Institute for Mathematical Sciences in Cameroon. Additionally, he is also an endless learner of problem solving and critical thinking skills. Jean is seeking for jobs and opportunities in the field of renewable energy, especially in rural electrification. He has much interest in entrepreneurship and a vision of linking his knowledge in science and aspiration of becoming a great entrepreneur. His hobbies include the chess game, coaching for self-improvement and enigmatic/mysterious novels and movies.



CHIPO SITOTOMBE

chipostots.d@gmail.com

Home country: Zimbabwe

Working language(s): English

M.Sc. thesis :

Modelling Renewable Energy Integration "A System Dynamics Approach" (Case of Tanzania)

Supervisor: Dénes Csala (PhD)
Lecturer- Energy Storage and System Dynamics, Energy Lancaster, Lancaster University, United Kingdom

Profile:

Chipo Sitotombe is a Chemical Engineering graduate from the National University of Science and Technology in Zimbabwe. Whilst at PAUWES, she attended the Renewable Energy Summer School in Cologne Germany, Sustainable Energetics for Africa Summer School in Yaoundé Cameroon, International School on Energy Systems in Munich Germany and the Master Class on Energy Contexts and Challenges in Durham (UK). Her research work focuses on modelling Sub-Saharan Africa's energy systems for the integration of renewable energy generation using a system dynamics approach. As a buildup to her research work, she undertook a research internship at the Energy Department of Lancaster University (UK) where she worked on hybrid systems. Chipo looks forward to applying her knowledge of energy modelling to develop tools and methods that will direct Africa's energy policy makers, regulators and utilities on practical paths to follow in fostering renewable energy deployment.



DAWIT ZERU BRHANE

dzeru6@gmail.com

Home country: Ethiopia

Working language(s): Amharic

M.Sc. thesis :

Biogas Production From Codigestion of Cow manure and Food waste

Supervisor: Kiros Hagos Abay (PhD)
Lecturer at Mekelle University - Ethiopia

Profile:

Dawit Zeru Brhane graduated with a BSc. in Biological and Chemical Engineering from Mekelle University in Ethiopia. His major drive to pursue an MSc. in Energy Engineering at PAUWES was as a result of him working as an assistant lecturer in a university in his country. Studying at PAUWES has equipped him with good knowledge and skills through his participation in workshops, conferences and internship among others. This includes attending training on renewable energy during summer school in TH cologne, Germany. After PAUWES, he would like to resume working at higher educational institute as a lecturer and researcher in the field of renewable energy. He also would like to do PhD and conduct further research in the field of renewable energy in Africa.



SAFIATOU MARIKO

safimariko22@gmail.com

Home country: Mali

Working language(s): English, French

M.Sc. thesis :

Feasibility of hybrid renewable energy mini-grids for communities in Mali: case study Sokolo

Supervisor: FRANCIS KEMAUSUOR
professor

Profile:

Safiatou Mariko has an MSc in Thermal Engineering and Renewable Energy from the Abou Bekr Belkaid University (Tlemcen –Algeria). She was an Energy Engineering student at PAUWES. She has done several internships, among them : AER Mali, the (Malian Agency for renewable energies); Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi Ghana. She has wide international exposure to renewable energy including a summer school and conferences attendances. She is passionate about energy efficiency, green cities and the process of improvement and development of new technologies for sustainable development. Additionally, she has a pronounced interest in Renewable Energy Technologies. Safiatou's goal is to make life easier for women and children living in remote areas by introducing them to renewable energy technologies.

Energy Engineering Track



MOHAMMED YASSINE KEBBATI

kebbatiyassine@gmail.com

Home country: Algeria

Working language(s): English, French, Arabic

M.Sc. thesis :

Design Modeling and Control of a Grid-connected PV-Wind Hybrid System (Case Study of Adrar)

Supervisor: Prof Lotfi Baghli

Head of the Automation Laboratory of Tlemcen

Profile:

Mohammed Yassine kebbati holds a bachelor's degree in Automation obtained from the University of Tlemcen where is ranked first in his cohort with excellent academic results.

Before joining PAUWES, Yassine successfully accomplished one year of Master studies in Automation and Industrial Informatics where he also ranked first among his peers.

Besides academic studies, he did two internships in the ALZINC factory in Ghazaouet dealing with Instrumentation and Power Electronics, one internship in the CERAMICs factory of Ghazaouet and another internship in the division of exploration and production of SONATRACH in Hassi Messoud which concerned process automation.

In addition to practical internships, Yassine did two research internships at the center of Renewable Energy Development (CDER) in Algiers.

Upon graduation, he looks forward to starting a professional career as an Energy Systems Engineer.



ABOUBAKARY BAMBA

aboubakr.sidiq1990@gmail.com

Home country: Cote d'Ivoire

Working language(s): English, French, Arabic

M.Sc. thesis :

Feasibility study of biogas production from biodegradable fraction of municipal solid waste through anaerobic digestion in Abidjan : Case study of Yopougon municipality

Supervisor: Dr Christophe Gbossou

Researcher at Renewable Energy Research Center of Abidjan

Profile:

Aboubakary Bamba has a Bachelor in Electrical and Energy Engineering from the International Institute of Water and Environment Engineering (2iE) located in Ouagadougou, Burkina Faso. Before joining PAUWES, he had been working as a Project Engineer in electrical ongrid lines (High, Medium and Low voltage) at Egemat Energie in Abidjan. Prior to that, he was a technical manager in solar energy at Sunlight Energy. Aboubakary's main reason for joining PAUWES was inspired by the thought of his ability to participate towards energy problem-solution within the African continent and ensuring this reality is also met by the relevance of energy in his country's development.



BRIAN
WAMUKOYA

brianwamukoya2@gmail.com

Home country: Kenya

Working language(s): English, French, Swahili

M.Sc. thesis :

An analysis of the impact of large wind farms on the sizing and allocation of power system spinning reserve

Supervisor: Prof. Christopher M. Maina

Dean School of Engineering and Technology, Murang'a University of Technology

Co-supervisor: Mr. Bonface Ngoko

Profile:

Brian Wamukoya is a Master of Science in Energy Engineering student at the Pan African University Institute of Water and Energy Sciences-PAUWES in Tlemcen, Algeria. He obtained his Bachelor's in Electrical and Electronics Engineering from JKUAT in 2015. He worked as an electrical maintenance engineer at Keroche Breweries Limited in Kenya from 2015 to 2016. Brian's research interests include renewable energy systems, distributed generation, energy economics and electricity market theory.



KAARE
MANYAMA

manyamakaare@yahoo.com

Home country: TANZANIA

Working language(s): English, Kiswahili, & Ruli

M.Sc. thesis :

Design and Analysing of an Off Grid Hybrid Renewable Energy System to Supply Electricity in Small Industries; A Case of Tanzania

Supervisor: Professor, Alexander POGREBNOI

Department of Materials, Energy Science and Engineering, School of Materials, Energy, Water and Environmental Sciences (MEWES), The Nelson Mandela African Institution of Science and Technology (NM-AIST): Arusha -Tanzania

Profile:

Kaare Manyama obtained his Bachelor's degree in Municipal and Industrial Services Engineering from Ardhi University in Tanzania under the School of Environmental Science and Technology (SEST) where he focused on water, environment and sanitation, occupation and safety engineering, building services, construction and supervision of infrastructures, GIS and remote sensing, etc. He received several awards during his undergraduate studies among them the best graduating student from Ardhi University (2014) awarded by Engineering Registration Board (ERB) of Tanzania. Prior to joining PAUWES, he worked as a Services Engineer at Caspian Limited. At PAUWES, he studied a Master's degree in Energy Engineering. Kaare would like to work with energy, water and agricultural organizations.

Energy Engineering Track



FLAVIO ODOI-YORKE

flavioodoi@hotmail.com; odoiflavio1@gmail.com

Home country: Ghana

Working language(s): English

M.Sc. thesis :

Design of Solar PV-Biogas Hybrid Power System for Rural Electrification in Ghana

Supervisor: Dr. Francis Kemausuor

Senior Lecturer, Department of Biosystems and Agricultural Engineering, Kwame Nkrumah University of Science and Technology Kumasi-Ghana

Profile:

Flavio Odoi-Yorke holds a BSc. in Physics from the Kwame Nkrumah University of Science and Technology (KNUST), Ghana. Flavio was appointed as a Teaching Assistant in the Department of Physics at KNUST. He carried out tutorial classes for undergraduate students and supervised laboratory practicals. Thereafter, he was appointed as a Physics teacher at the North Legon Little Campus. Flavio has attended different summer schools, conferences, workshops and training on Sustainable Development, Physics, Renewable Energy and Climate Change. His current master thesis research at PAUWES focused on designing and development of clean energy off-grid solutions in Ghana. He believes that implementation of his master thesis research findings will aid accelerate electricity access rate in remote areas in Ghana. His professional goals in life is to be a Lecturer, Researcher and a Consultant in the field of Renewable Energy, with particular interest in Sustainable Power Generation.



ERNEST NSHIMIYIMANA

erkey2020@gmail.com

Home country: RWANDA

Working language(s): English, French

M.Sc. thesis :

Design of home electricity supply system using solar energy and its Integration to the national grid: A Case Study of Masaka Village

Supervisor: DR. Abdellah Khellaf

Division head at Centre de Développement des Énergies Renouvelables, Algiers CDER

Profile:

Ernest Nshimiyimana is a self-motivated Rwandese with good analytical skills. He has a first-class Bachelor's degree in Mechanical Engineering from University of Rwanda, College of Science and Technology. He is a Laboratory Technician in the Electrical and Mechanical laboratory at the College of Agriculture, Animal Science and Veterinary Medicine. With the aim to enhance his skills in the energy field, he successfully won the Pan African University Scholarship to study at PAUWES where he pursued an MSc in Energy Engineering. During his studies in PAUWES, he participated in a Laboratory workshop at Köln University of Applied Science and Technology and a forum about Sustainable Energy for East Africa, 2018. He intends to become a good researcher in the renewable energy field for his contributions to SDG 7.



RONNY GORATA MATENGE

ronny.matenge@gmail.com

Home country: Botswana

Working language(s): English, Setswana, Kalanga

M.Sc. thesis :

Rainwater harvesting for irrigation in the wake of climate change: A model-based design

Supervisor: Prof. Joseph Adelegan PhD, C.Eng
Professor of Civil and Environmental Engineering

Profile:

Ronny Gorata Matenge graduated with a Bachelor of Science degree in Soil and Water Conservation Engineering from the University of Botswana. His educational background imparted him with capacities necessary to encounter the challenges of this interesting profession. He worked as an Irrigation engineer and was responsible for the design and smooth operation of irrigation systems, conducting demonstrations to experiment advanced technologies in irrigation and drainage for farmers. This career gave him great satisfaction by providing valuable insights in technical aspects needed in this field. The good reputation of high-quality education standards, an extremely distinguished faculty members, and research facilities are the factors that motivated him to choose for the Masters of Science in Water Engineering at PAUWES. Africa's challenges need well educated engineers who are able to solve complex problems in a creative way, and PAUWES MSc programme in Water Engineering offers this expertise. Ronny aims to achieve a great height in the field of water management hence his carefully planned career and personal experiences will ensure that he succeeds.



CHIKEZIE WILLIAMS UGOKWE

ugokwechikezie@gmail.com

Home country: Nigeria

Working language(s): English, Igbo

M.Sc. thesis :

Improving the efficiency and reproducibility of Perovskite solar cells

Supervisor: Dr. Harald Hoppe
Associate Professor

Profile:

Chikezie Williams Ugokwe is a Master's graduate in Energy Engineering from the Pan African University Institute of Water and Energy Sciences (PAUWES). Prior to that, he obtained a Bachelor's in Materials Engineering. He is a sustainable energy enthusiast with interest in novel materials for energy conversion and storage. In the quest to provide a cheaper and more efficient alternative to silicon photovoltaics, his master's thesis research was focused on cheap and highly efficient perovskite solar cells. His other research interests include hydropower, energy efficiency and behavioral economics. Chikezie hobbies are hiking and culinary tourism.

Energy Engineering Track



AMOS CHENAMANI

achenamani@gmail.com

Home country: Botswana

Working language(s): English, Setswana

M.Sc. thesis :

Analysis of Abattoir waste for Biogas
Production in Kumasi Ghana

Supervisor: Ing. Francis Kemausuor (PhD)

Senior Lecturer, Kwame Nkrumah University of Science
and Technology

Profile:

Amos Chenamani holds a BSc in Agricultural Engineering and an Advanced Diploma in Mechatronics Engineering. He nurtures keen interest in design and implementation of Hybrid Energy systems, including modelling and assessment of materials for energy generation and storage. He is currently registered with the Botswana Qualification Authority as a Renewable Energy Trainer. Amos is inspired to further his studies in Energy engineering.



MANJONG NELSON

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Home country: Cameroon

Working language(s): English, French

M.Sc. thesis :

Modelling Sustainable Energy Transitions
Using Systems Dynamics: A case study of
Ghana

Supervisor: Dénes Csala PhD

Lecturer| Energy Storage and Systems Dynamics, Energy
Lancaster | Lancaster University (UK)

Profile:

Manjong Nelson obtained a Master's degree (MEng) in Industrial Engineering from the National Advanced School of Engineering in Cameroon in 2014. Prior to joining PAUWES, he spent two years working for Diageo Guinness Cameroon as an Energy Planner and Maintenance Planning Engineer responsible for scheduling work flow and maintenance of systems. He is very passionate about system dynamics, energy transition, sustainable and renewable energy systems. While at PAUWES, he attended the international school on Energy systems in Munich (Germany), the Durham Energy Masterclass on energy context and challenges in the United Kingdom, and also completed an internship placement in Lancaster University in the UK where he worked on smart energy data acquisition using Grafana. He is very passionate about planning, modelling and integrated assessment of resilient energy systems. He aspires to employ systems thinking and systems dynamics to develop resilient energy policies for Africa. Manjong is an individual member of the International Hydropower Association (IHA) and the African Network for Solar Energy (ANSOLE).



ZVIREVO CHISADZA

chisadzazvirevo@gmail.com

Home country: Zimbabwe

Working language(s): English

M.Sc. thesis :

Optical characterization and modelling of films and organic solar cells

Supervisor: Dr. Harald Hoppe

Research Associate – Group Leader at Center for Energy and Environmental Chemistry Jena (CEEC Jena), and Laboratory of Organic and Macromolecular Chemistry (IOMC), Friedrich Schiller University Jena, Germany

Profile:

Zvirevo Chisadza is an Energy Engineer and Innovator with a proven hunter mentality to generate new business. He holds a BEng. in Electronic Engineering coupled together with an MSc in Energy Engineering from Pan African University Institute of Water and Energy Sciences (PAUWES). He has two years' experience in solar PV and solar cells which he gained through his working terms in Zimbabwe and Germany. His research interests include next-generation solar cells, optoelectronics and sustainable energy systems. Zvirevo is a founding member of various successful organizations including PAUWES Entrepreneurship and Innovation Club. He strongly believes that both the world we need and the world we create should resonate.



ADEL MOKRANE

adeljc8@gmail.com

Home country: Algeria

Working language(s): English, French, Arabic, Tamazight

M.Sc. thesis :

Modelling and Optimization of Off-grid PV-Diesel Hybrid System with Hydrogen Storage

Supervisor: Prof. A. Zerga

Director of the Pan African University of Water and Energy Sciences

Co-supervisor: Mr. Jumare Ismail Abubakar

Profile:

Adel Mokrane obtained a Bachelor's degree in Electrical and Electronics Engineering from the Institute of Electrical and Electronic Engineering IGEE (ex-INELEC) and a Master's Degree in Control Systems Engineering from the University of Boumerdes in Algeria in 2015. He carried out an internship in the Center of Development for Advanced Technologies CDTA in Algiers, Algeria. Adel would like to venture into working towards implementing hybrid power systems and increase energy access in remote regions of Algeria.

Energy Engineering Track



PHUMUZA MABUZA

pmpmabuza748@gmail.com

Home country: Botswana

Working language(s): English, Tswana, Ndebele, Zulu

M.Sc. thesis :

Assessment of Technical Potential of Agricultural Waste to Bio energy in Botswana

Supervisor: Dr. Edward T Rakgati

Senior Researcher, Energy Department, Botswana Institute for Technology Research and Innovation (BITRI), Gaborone Botswana

Profile:

Phumuza Mabuza is a result-oriented individual who is very keen on advocacy issues relating to less privileged or marginalized groups in the society. He has been involved in peer mentoring programs, community outreach programs and social campaigns on issues relating to youth empowerment. He graduated from the University of Botswana in 2013 with a Bachelor's of Science Degree in Agricultural Mechanization. During his undergraduate studies, he participated in the students' leadership and served as the secretary general of the students' council (2012/2011). As a professional, he has developed keen interest on Renewable Energy and thus joined the Mechanical & Energy Engineering Department of Botswana International University of Science & Technology (BIUST) where he served as a Teaching/Research Assistant. Mabuza is passionate about Bioenergy Systems and Energy management and has participated in a number of workshops and conferences dealing with these key areas.



LACKSON CHISANU

lchisanu@poly.ac.mw

Home country: Malawi

Working language(s): English, French

M.Sc. thesis :

Techno-Economic feasibility study of a standalone Hybrid Renewable Energy Systems for Rural Electrification: Case of a typical rural village in Malawi

Supervisor: Prof. Dr.-Ing. Ramchandra Bhandari

Professor in Renewable energy systems

Profile:

Lackson Chisanu graduated from the University of Malawi-The Polytechnic with a Bachelor of Science in Environmental Science and Technology majoring in Environmental Physics. He obtained a postgraduate diploma in Environmental Protection and Management (EPM) in 2016. He is currently working with University of Malawi as a staff associate in Physics. He graduated in 2012 and has worked as an adjunct lecturer (Department of Basic Sciences at Malamulo College of Health Sciences). The experience of working in varied environments has enabled him to develop a range of practical skills in teaching. He attended training in wind turbine technology in India with the Nation institute of Wind Energy (NIWE). He also participated in several conferences and workshops. While at PAUWES, he attended workshops and winter school at TH Köln. He joined PAUWES in 2016 and completed an MSc in Energy engineering. Lackson is seeking a career in energy and environment, rural electrification, energy management, research and academia.

Energy Engineering Track



SHADRACK MUSYOKA

musyoka.kimanzi@gmail.com

Home country: KENYA

Working language(s): English, KISWAHILI

M.Sc. thesis :

Optimization of the Compression Ratio of a Diesel Engine Running on Croton Bio-diesel

Supervisor: Dr. Robert Kiplimo

Senior Lecturer-JKUAT, Director-MTCC Africa (Maritime Technology Cooperation Centre)

Profile:

Shadrack Musyoka has a BSc. in Mechanical Engineering from Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya. He has worked as an assistant lecturer in the Department of Marine Engineering and Maritime Operations at JKUAT since 2016 to date. He has gained a deep understanding of the renewable energy resources in Kenya and Africa through his work and study engagements. Musyoka hopes to engage his skills in research on sustainable renewable energy, with particular interest on energy efficiency and renewable energy for transport.



COLLINS OWUOR

collinsowuor88@gmail

Home country: Kenya

Working language(s): English, French

M.Sc. thesis :

Assessment of Renewable Energy Adoption among households in Urban Kenya, A case Study of Kisumu Central Sub county in Kisumu City, Kenya

Supervisor: Dr. Churchill Saoke
Lecturer Jommo Kenyatta University (Kenya)

Profile:

Collins Owuor graduated from Kenyatta University in 2012 with a BSc. in Environmental Sciences. He has trainings in GIS and Remote Sensing with bias on environmental and natural resource management. He has had three years' experience working in microfinance and banking in Sidian Bank up to 2016. Collins is currently seeking for opportunities keen on implementing bankable renewable projects among communities. In future he would seek to work as an energy analyst in government, UN bodies or Consultancy.



MARGARET ADOBEA ODURO

margaretoa@yahoo.com

Home country: Ghana

Working language(s): English, French

M.Sc. thesis :

Evaluating the success of Renewable Energy and Energy Efficiency Policies in Ghana- Matching the policy Objectives against Policy Instrument and Outcomes

Supervisor: Dr. Samuel Gyamfi
Dean of Student and Senior Lecturer

Co-supervisor: Dr. Francis Kemausuor

Profile:

Margaret Adobea Oduro obtained a Bachelor of Science in Meteorology and Climate Science from Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi, Ghana in 2015. She served as a Teaching Assistant and Secretary for the Department of Physics, KNUST for the 2016/2015 academic year. She also served as an Intern at Ghana Meteorological Agency in 2013 and UENR Energy Group in Sunyani, Ghana in 2018. Margaret would like to work as an energy analyst with energy institutions in and across Africa.



VICTOR T. OTIENO

thomotieno@gmail.com

Home country: Kenya

Working language(s): English, Kiswahili

M.Sc. thesis :

Overcoming Financial Barriers to Small Hydro Development in Kenya: The role of aggregation in De-risking SHP development and its policy implications

Supervisor: Dr. Rosa Maria Fernandez

Senior Lecturer and Programme Leader Economics and Business University of Chester, UK

Profile:

Victor T. Otieno is a highly dedicated and pragmatic individual with well-honed analytical and interpersonal skills and passion to impact people's lives positively through provision of clean and modern energy services. He holds BSc degree in Mechanical Engineering from Kenyatta University, Kenya; certificates in Sustainable Finance Initiative from IFC and National Adaptation Plans - Climate Resilience in Agriculture from UNITAR. He worked as an intern at Kenya Electricity Generating Company Limited (KenGen) then as Operations Assistant at NIC Bank PLC before joining PAUWES. During his time at PAUWES, he interned at Camco Clean Energy, which manages Renewable Energy Performance Platform (REPP) fund investing in renewable energy projects of up to 25MW in Sub-Saharan Africa. After PAUWES, Victor intends to apply his expertise in promotion of renewable energy projects and investments in Africa.



MCHILO MIZAMBWA

chylomiz@yahoo.com

Home country: Tanzania

Working language(s): English, French, Swahili

M.Sc. thesis :

Assessing Impacts of Rural Electrification Program on Narrowing Gender Gap among rural farmers in South east Tanzania

Supervisor: Mbabazi Mbabazize

PhD

Profile:

Mchilo Mizambwa holds a Bachelor of Science in Environmental Science and Management (BSc. ESM) from Ardhi University Tanzania. She is a tutor and a researcher at the Institute of Environment and Development Sustainability in Dar es Salaam, Tanzania working on climate change mitigation and adaptation measures projects. She is also an advisor to the Tanzania Green Climate Fund board member. Her interest is on rural electrification program, renewable energy and climate change research. Mchilo wishes to become a policy analyst.

Energy Policy Track



DANIEL WEKESA

mathswizard.wekesa@gmail.com

Home country: Kenya

Working language(s): English.

M.Sc. thesis :

Effect of Offgrid Power on the growth of micro,small and medium sized enterprises in Kenya: a case of MSMEs in Bungoma County

Supervisor: Dr. Justus Simiyu
Senior Lecturer University of Nairobi

Profile:

Daniel Wekesa graduated with a BSc. in Electrical and Electronic Engineering (First Class Honours) from the Jomo Kenyatta University of Agricultural Technology (JKUAT) in Kenya. After his undergraduate studies, he co-founded Energia Engineering Limited which carries out energy audits for clients in Kenya. While carrying out the energy audits for clients, he realized that many clients did not have an energy policy hence his choice to study energy policy at PAUWES. After PAUWES, he hopes that the knowledge and networking gained will help his company, Energia Engineering Limited, to grow and expand across East Africa and across the continent as whole.



JACINTA AKOTH OKWAKO

jacintaokwako@yahoo.com

Home country: Kenya

Working language(s): English, Kiswahili

M.Sc. thesis :

Assessing Implementation of Energy Efficiency And Management In Industries: A Case Study of Kenyan Industries

Supervisor: Prof. Hassan Qudrat-Ullah (PhD)
Lecturer at York University, Canada

Co-supervisor: Dr. Justus Simiyu (PhD),
lecturer at University of Nairobi

Profile:

Jacinta Akoth Okwako obtained her Bachelor of Education (Science) degree in Physics and Mathematics (University of Nairobi – Kenya) in 2012. She is currently undertaking a Master's degree in Physics at the University of Nairobi in Kenya. At PAUWES, she was an Energy Policy student. She is passionate about renewable energies, thin film materials for solar energy application and energy access with special focus in rural and remote settings. Through her membership at the African Network for Solar Energy (ANSOLE), she's been able to present some of her work at a conference in Tunisia and also in Cameroon. At PAUWES, she was the career service team leader at the PAUWES Community of Practice (CoP). After PAUWES, she plans to pursue a PhD in renewable energy with a special interest in thin film materials for solar cell application. Jacinta aspires to be a renowned researcher in the field of sustainable energy and energy efficiency, she is also planning to implement projects which promotes education in Africa.

Energy Policy Track



JEAN PAUL SIBOMANA

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Home country: Rwanda

Working language(s): English, French

M.Sc. thesis :

Assessment of the impacts of after sales services on performance of households energy systems in Rwanda

Supervisor: Dr. Wojciech Martin Budzianowski
Senior Lecturer at Wroclaw University of Science and Technology

Profile:

Sibomana Jean Paul obtained a Bachelor's degree with honors in Applied Physics, option of Renewable Energy from the University of Rwanda, College of Science and Technology. He has attended various summer schools, conferences, workshops and trainings on Renewable Energy Technology, Fundamental Physics and its applications, Entrepreneurship Workshop for Scientists and Engineers, Space Science; Related applications and Awareness for Sustainable Development of the Region, in Rwanda, Senegal, Germany, Italy and Algeria. He worked as a Research Assistant at SNV Rwanda in the Biogas study. Most recently, he did a two months academic internship at the Ministry of Infrastructure, Rwanda. Sibomana was an active member of the multimedia group at PAUWES where he learnt photo, video shooting and editing. Studying at PAUWES enabled him to improve his knowledge and skills in energy field as well as developing good entrepreneurial, management and social skills.



HAKIM BEBYELLES

hakim_200713@hotmail.fr

Home country: Algeria

Working language(s): English, French, Arabic

M.Sc. thesis :

Energy efficiency in buildings

Supervisor: MEGNOUNIF ABDELLATIF
PROFFESSOR

Profile:

Hakim Benyelles is a graduate of Architecture from the University Abou Bekr Belkaid – Tlemcen, Algeria. After his graduation, he has held several positions such project manager, architect and geotechnical laboratory engineer. These working experiences enabled him to develop good leadership and management skills. Additionally, he possesses great skills in architectural software (CAO/DAO) such as AutoCAD, ArchiCAD, Google SketchUp, Artlensis, among others. His motivation to study in PAUWES was influenced by his undergraduate project in architecture on 'Renewable Energy Institutes'. Studying in PAUWES has broadened his knowledge in energy policy, leadership skills and also enabled him to be more familiar with the African Continent. Hakim has been involved in many volunteering activities through charity groups such "Algerian United" and "Tlemceniens Tlemceniennes". His experience in theatre has given him more control on his personality and helped him improve his confidence.



ISAAC CHITEDZE

isaacchitedze@gmail.com

Home country: Malawi

Working language(s): English

M.Sc. thesis :

Analysing Feed-in Tariff policy to accelerate renewable energy deployment and electricity access in Malawi

Supervisor: Professor Hassan Qudrat-Ullah
York University, Toronto, Canada , Chair, LA & PS Faculty,
York University. Coordinator Certificate in Logistics
Management

Profile:

Isaac Chitedze holds a BSc in Renewable Energy Technologies, first-class honors, from Mzuzu University in Malawi. He received best student award in Renewable Energy Technologies from Malawi Energy Regulatory Authority twice in 2012 and 2013. He also served as a committee member for member of Malawi Institute of Engineers MZUNI Chapter in 2012-2011. After graduating in 2014, he joined Mzuzu University as a Staff Associate in the Department of Energy systems. Isaac is a partner of Green Impact Technologies a Malawian Emerging Entrepreneur that won "People Choice Award" through Pitch at Palace during the 2018 Commonwealth Heads of State Meeting. Studying at PAUWES gave him an opportunity to take part in workshops, webinars, symposia, conference among others. His research interests include energy socio-economic, energy policy, rural energy supply and renewable energy entrepreneurship models. Isaac would like to pursue PhD either in energy policy or energy economics as well as being an established renewable energy entrepreneur.



NWEDEH CHUKWUEMEKA COSMAS

cosmasnwedeh@gmail.com

Home country: Nigeria

Working language(s): English, French

M.Sc. thesis :

The Macroeconomic Determinants of Carbon Dioxide Emissions in Nigeria

Supervisor: Dr. Musibau Babatunde
Senior Lecturer, Economics Department, University of
Ibadan/Deputy Director, Distance Learning, University of
Ibadan, Nigeria

Profile:

Nwede Chukwuemeka Cosmas is an Energy Economist and Policy Analyst, who obtained his Bachelor's degree in Economics with Second Class Upper Division (University of Nigeria), Nsukka and a Master's degree in Energy Economics (Centre for Petroleum, Energy Economics and Law - CPEEL), University of Ibadan, Nigeria. He studied a Master's of Science in Energy Policy at PAUWES. His research project examined the 'Econometric Analysis of the Determinants of Carbon Dioxide Emissions in Nigeria'. He served as a Research Assistant/Energy Consultant in the Competence Centre for Methodology and Design at MicroEnergy International, GmbH in Berlin, Germany. He is a consulting expertise in multi-tier- framework, policy analysis, energy modelling and simulations, data analysis and market research. He has participated in MicroEnergy international off-grid renewable energy consultancy services for World Bank, AFDB, ARE-SUF GMG project and European Union clean energy access.

Energy Policy Track



MOHAMED ZODI SADDAM

mohamedzosaddam@gmail.com

Home country: Niger

Working language(s): English, French, Tamasheq, Hausa

M.Sc. thesis :

Assessing Solar Energy Potential Over West Africa Under Changing Climate: The Case of Niger

Supervisor: Dr. Benjamin L. Lamptey
Acting Director General of ACMAD

Profile:

Mohamed Zodi Saddam is a young, dynamic, forward-thinking and confident energy engineer and policy expert with the reasonable aspiration to see Africa developing and relying on its huge human potential. He holds a BSc in Mechanical Engineering with a major in Energy Engineering and Environment and MSc in Energy Engineering both from the University of Tlemcen in Algeria. These courses equipped him with excellent analytical skills and all the necessary technical know-how to operate in the energy sector. Additionally, PAUWES equipped him with energy policy expertise which has been a great supplement. Studying in a multicultural institution like PAUWES has been an amazing and humbling experience to him with lectures, professors, workshops, seminars, conferences, summer schools, internships, and team activities. He had the opportunity to intern in two continental institutions, that is, the African Energy Commission (AFREC) and the African Centre of Meteorological Application for Development (ACMAD). His research dealt with assessing solar energy potential over West Africa under climate change: the case of Niger. Mohamed's ambition is to become a social entrepreneur with a focus on Africa's sustainable development in line with the African Union's Agenda 2063.



JEAN BAPTISTE RUTIBABARA

baptiste0249@gmail.com

Home country: Rwanda

Working language(s): English, French, Kinyarwanda

M.Sc. thesis :

Environmental and Economic Cost Analysis of a Solar PV, Diesel and hybrid PV-Diesel water Pumping Systems for Agricultural Irrigation in Rwanda: Case study of Bugesera district

Supervisor: Wojciech M. Budzianowski
Associate Professor at Wrocław University of Science and Technology, Wrocław /Poland

Profile:

Jean Baptiste Rutibabara is a self-motivated and hard-working person with good analytical and communication skills. He holds a Bachelor of Science in Physics, option of Renewable energy with Second class honors (upper division) from University of Rwanda, College of Science and Technology in 2015. He was head of students of the Physics' department as a representative in university's students association (KISTAS) at College of Science and Technology (Former KIST), Nyarugenge campus between 2013 to 2015. To achieve his dream of contributing to the climate change and poverty alleviation, in October, 2016, Jean Baptiste joined the Pan African University Institute of Water and Energy Sciences (Including climate change)-(PAUWES) in Tlemcen, Algeria. During his master's study, he has learned different cultures from different countries such as Algeria, Germany, India and others. He participated and gained experience and knowledge from numerous workshops, summer schools, seminars and conferences both at home and abroad. He is passionate about the development of renewable energies and decentralized energy production for rural agricultural irrigation. After PAUWES, Rutibabara plans to pursue a PhD in the field of energy as well as to become a self-employed researcher.



AIME MORO

aimemoro225@gmail.com

Home country: Côte d'Ivoire

Working language(s): English, French

M.Sc. thesis :

Ensuring sustainable electricity for all in west Africa through innovative decentralized Renewable solutions : An Analysis of Ivorian context

Supervisor: Yacob Mulugetta

Professor at University College of London

Profile:

Aime Moro holds a Master's degree in Public Law and Political Science from the University of Abidjan in Ivory Coast. After many certificates in sustainable development and some experiences in green private sector, he joined PAUWES for a Master in Energy Policy. He did internship at Schneider Electric West Africa as Access to Energy Analyst. Moro is passionate about energy-development-climate nexus, and thus wants to integrate a private or multilateral organization for his future career as an energy access analyst or project manager.



PATRICK MWANZIA

kioko.mwanzia@gmail.com

Home country: KENYA

Working language(s): English, SWAHILI

M.Sc. thesis :

UPSCALING ROOFTOP SOLAR PV DEPLOYMENT IN URBAN CENTRES

Supervisor: Dr. SAMUEL OBUDHO OMONDI

Deputy Director-Kenya Institute of Curriculum Development

Profile:

Patrick Mwanzia is a result oriented and enthusiast of sustainable energy who holds a BSc. in Mechanical Engineering (Second Class Honors, Upper Division) from Jomo Kenyatta University of Agriculture and Technology (JKUAT). Prior to joining PAUWES, he worked with a sustainable energy firm specialized in hydro and geothermal power generation as a Mechanical Engineer Supervisor. His brief work experience made him realize the huge energy need in rural areas in Kenya among other developing countries. Joining PAUWES deepened his knowledge and interest in sustainable energy deployment and policy to address the low electricity access in rural areas. He carried out his research internship as a Research Assistant at Strathmore Energy Research Centre (SERC). This opportunity gave him a chance to interact with key players in the field of Sustainable Energy worldwide. During the internship period, he attended energy conferences and workshops and Solar PV training. Patrick intends to continue working as a sustainable energy researcher and consultant in policy making and management.

Energy Policy Track



CEDRIC NGUEMLLE

nguemllecedric@yahoo.fr

Home country: Cameroon

Working language(s): English, French, German

M.Sc. thesis :

Modeling the future energy scenarios of Bamako city, Mali

Supervisor: Ramchandra Bhandari
Professor

Profile:

Cedric Nguemlle holds a BSc in Physical Sciences and an MSc in Energy and Environment, option of Renewable Energy Technology, specializing in gasification of inorganic substances (synthesis gas) at the Energy Efficiency Technologies Laboratory (LATEE), University of Yaoundé in Cameroon. He is a Master's of Science in Energy Policy student at PAUWES in Tlemcen, Algeria. He has worked as a Researcher at LATEE in the University of Yaoundé for 2 years. He has also done a number of internships among them at the Energy Engineering Laboratory of the National School of Agronomic and Industry (ENSAI), University of Ngaoundere in Cameroon; the Cameroonian Electric and Electronic Hydraulic Technique (LACATECH) in Cameroon; Renewable Energy Development Center (CDER) in Algeria; and the Hybrid Renewable Energy Lab (HREL) at the Faculty of Technological Sciences (RARSUS-SEMALI project), University of Bamako in Mali. Cedric is passionate on Energy System Modeling, Renewable Energy Technology, CO2 inventories, Climate Change, and Energy policy.



MAHAMAT BICHARA ISSAK

issak180@gmail.com

Home country: Chad

Working language(s): English, French, Arabic

M.Sc. thesis :

Analyzing the cost of electricity for solarPV-diesel hybrid generation for sub-urban and rural electrification: case of sub-regional hospital of Dourbali district, Chad

Supervisor: Dr. Wojciech Budzianowski
Consulting Services; Lecturer at Pan African University
Leader at RESD Group Research interests include
renewable energy and business development

Profile:

Mahamat Bichara Issak graduated from the University of Tlemcen in June 2016 with a Master's degree in Thermal Engineering and Renewable Energy. He gained leadership experience thanks to his position as a foreign students' representative at the University of Tlemcen between 2013 and 2014. His interest in joining PAUWES was based on his ambitions to help in achieving the SDG goals and the African Union's Agenda 2063. He was the Central Africa's representative at PAUWES Entrepreneurship Club. He has done various internships in his career, among them professional internships at African energy commission (AFREC) and Agency for the Development of Renewable Energies in Chad (Ader-Tchad). As a renewable energy engineer and expert in energy policy analysis and innovator, Bichara would like to develop some projects for sub-urban and rural electrification in the sub-Saharan regions and his country, due to the common challenge of rural electrification.



COHEN ANGU

angu.cohen23@gmail.com

Home country: Kenya

Working language(s): English, Kiswahili

M.Sc. thesis :

Assessing the Impact of Fast Variables on Resilience of Electrical Energy in View of Climate Change and Energy Security in Kenya

Supervisor: PROF. JOHN N. MUTHAMA
UNIVERSITY PROFESSOR

Co-supervisor: DR. CHRISTOPHER OLUDHE

Profile:

Cohen Angu was awarded a BSc. in Meteorology at the University of Nairobi in 2015 and won several awards at the university including a student excellence award for the best student in the department, best overall research project student and best student in dynamic meteorology. Having background knowledge in atmospheric dynamics and renewable energy technologies, he has an interest in expanding research and professional experience in the themes of energy and climate change for sustainable development and energy security. His research on the "Impact of Fast Variables on Resilience of Electrical Energy in View of Climate Change and Energy Security in Kenya" comes at a time when Kenya is faced with high consumer electricity costs and the study offers several approaches that address the issue. Angu has been an intern at Kenya Meteorological Society and also a consultant for the World Meteorological Organization (WMO). His other interests include database programming, web design and software development.



MAHAMA MUDASIRU

mudasiru50@gmail.com

Home country: Ghana

Working language(s): English

M.Sc. thesis :

Renewable Energy Planning and Regulatory Framework. Tools for Sustainable Electricity Generation and Low Carbon Development. The case of Ghana

Supervisor: Dr Nana Sarfo Agyemang Derkyi
Professor and Dean of School of Engineering

Profile:

Mahama Mudasiru is a motivated young man with a BSc. in Planning and MSc. in Energy with specialization in Policy. He started his career as a Teaching Assistant at the University for Development Studies (department of Planning and Management). Prior to joining PAUWES, he worked as the Coordinator for Diploma in Business Studies at Vittoria Business College (2016-2015). At PAUWES, he was the Vice President of the Entrepreneurship and Innovation Club and a Team leader at PAUWES Community of Practice (CoP). His research interest focuses on ensuring sustainable development at all levels of development. His current research focuses on renewable energy planning and policy, modelling energy systems and alternative ways of developing low carbon economic development in developing countries. Mahama participated in short course trainings and summer school: Certificates in Renewable energy systems (Summer School) at TH Koln, Financial modelling of renewable energy projects at The Hammond-Brew Energy Center, Ghana.

Energy Policy Track



KELVIN RUGIRA

rugirakelvin1@gmail.com

Home country: Rwanda

Working language(s): English, French, Kinyarwanda

M.Sc. thesis :

Key Factors Influencing Access to Finance for Clean Modern Energy Rural Areas of Rwanda

Supervisor: Dr. Mbabazi Mbabazize Peter (PhD)
Senior Lecturer at Kigali Management University

Co-supervisor: Dr. Joanne Lee

Profile:

Kelvin Rugira obtained a Bachelor's degree in Electrical Engineering from the University of Rwanda, College of Science and Technology in 2015. Since then, he has worked for a one-year period as a Project Assistant Coordinator at the Entrepreneurship and Leadership Foundation, a Kenyan Consultant Company. His major interest has been on understanding and tackling the issue of access to finance for scaling up clean modern energy in rural areas of Rwanda. During his internship, he worked at the Development Bank of Rwanda in the Energy Financing department under the Renewable Energy Fund project. Whilst at PAUWES, he took part in extra-curricular activities as the Team Leader of PAUWES Community Management Group in the Community of Practice (CoP) which organized the first ever PAUWES Cultural week; he has also participated in different renewable energy conferences, workshops and summer schools within and outside Algeria. Kelvin is therefore seeking a career in energy access, environmental governance and rural electrification.



ABEDELKADER BENMILOUD

kader_benmiloud@yahoo.com

Home country: Algeria

Working language(s): English, French, Arabic

M.Sc. thesis :

Improvement of energy efficiency in Tlemcen (case of Sonalgaz TLEMCCEN)

Supervisor: Fouad BOUKLI HACENE
Maître de conférences A

Co-supervisor: Fouad MALIKI

Profile:

Abedelkader Benmiloud graduated with a Bachelor's degree in Materials Engineering and a Master's of Surfaces from the School of Mines and Metallurgy of Annaba ENSMM in Algeria in 2015. At PAUWES, he studied a Master's of Science in Energy Policy. He started his own building and construction company in 2015, and in April 2018 launched the realization of a non-ferrous metal transformation plant in Tlemcen, Algeria. Abedelkader's goals for the next 5 years is to create at least 100 permanent jobs, increase the income of his companies and foster collaborations with other foreign investors to access the international markets.



CHIBUZO MADUKA NWABUE

chibuzonwabue@yahoo.com

Home country: Nigeria

Working language(s): English, Igbo

M.Sc. thesis :

Economic and Environmental Assessment of Natural gas and Solar PV Systems for Rural Electrification in Nigeria.

Supervisor: Prof. Dr Hassan Qudrat-Ullah
Professor at School of Administrative Studies, York University, Toronto, Canada.

Profile:

Chibuzo Maduka Nwabue is committed to providing innovative and sustainable solutions to socio-economic problems in developing countries. He holds a Bachelor of Science Degree in Economics and a Master of Science Degree in Energy Studies (with Specialization in Energy Economics). In 2016, with the conviction that deploying decentralized clean energy systems and ensuring proper demand and supply side management is essential for solving energy poverty in Africa, he applied and was admitted into the Master of Science Programme in Energy Policy at PAUWES.

Chibuzo has worked as a Planning Officer in Nigeria where he acquired skills in Planning, Policy formulation, Budgeting and Monitoring and Evaluation. He has been involved in advocacy for Youths and Women participation in politics. During his stay in PAUWES, he was an active member of the Community Management Community of Practice Team. Chibuzo has won awards in leadership, youth advocacy and community development.

He intends to extend his Master's thesis research to other off-grid communities in Nigeria while incorporating demand side management for his PhD studies.



SUNKANMI DAIRO

sunkanmi.dairo@gmail.com

Home country: Nigeria

Working language(s): English, French, Yoruba

M.Sc. thesis :

Modelling the next Energy Transition in Nigeria to achieve Sustainable Development and mitigate Climate Change.

Supervisor: Prof. Hassan Qudrat-Ullah
Professor (Full) of Decision Sciences, School of Administrative Studies, York University

Profile:

Sunkanmi Dairo obtained his Bachelor's degree in Mechanical Engineering from the University of Ibadan, Nigeria in 2015. His choice of a university degree was borne of his knack for creative problem solving, he is particularly fascinated by the engineer's approach to problem-solving which is largely bordered by critical thinking and logical reasoning. Before joining PAUWES, he worked as a business strategist for a start-up. As an Energy Policy student at PAUWES, he has worked on multiple research centered on increasing access to affordable and clean energy for African countries. He is likewise passionate about leadership and has served in several volunteer leadership positions over the past 10 years. At PAUWES, he was a student representative and during his time he displayed excellent team spirit and the capability to mentor others to be better leaders. Moving on from PAUWES, Sunkanmi plans to pursue a career in the field of Energy Management where he aims to be an influencer for the use of resources in a sustainable way.

Energy Policy Track



ALEXIS MUTABARUKA

mutalexis2006@yahoo.fr

Home country: Rwanda

Working language(s): English, French, Kinyarwanda

M.Sc. thesis:

Assessment of Socio Economic impact of Rwanda Rural Electrification Strategy 2016, on Livelihood Transformation a Case study in Busoro, Rulindo District

Supervisor: Dr. MBABAZI MBABAZIZE Peter
KIM University-Kigali-Rwanda

Profile:

Alexis Mutabaruka has a Bachelor's degree in Applied Physics, Renewable Energy option with second-class honors, upper division from former Kigali Institute of Science and Technology (KIST) of which he graduated in 2012. He worked at the former Rwanda Natural Resources Authority, Geology and mines department as a Mineral Traceability Staff from 2012 to 2016. He conducted an academic internship at the Energy Development Corporation Limited (EDCL), a subsidiary of Rwanda Energy Group (REG). He has attended several conferences, workshops, trainings and summer schools on Energy, Minerals and Entrepreneurship in Rwanda, Algeria and Germany. Alexis research interests are in rural electrification and renewable energy.

Water Engineering Track



PAUWES

Graduate Class of 2018

Master of Science (M.Sc.) in **WATER**

N'GUESSAN AIMÉ **KONAN**

konanaime@yahoo.fr

Home country: Côte D'Ivoire

Working language(s): English, French

M.Sc. thesis:

Urban Flood Modeling and Floodplain Mapping using ArcGIS, HEC-HMS and HEC-RAS in Abidjan city, Côte D'Ivoire - West Africa: Case Study of the Watershed of Riviera Palmeraie - Bonoumin

Supervisor: Yasser Eldeberky

Expert at Dubai Municipality, Environment Department

Profile:

N'guessan Aimé Konan got a Bachelor's degree in Water and Environmental Engineering with a major in Hydraulics in 2014 at the International Institute for Water and Environmental Engineering (2ie) located in Ouagadougou, Burkina Faso. Prior to that, he had studied Mathematics, Physics and Technology at Felix Houphouët Boigny University of Cocody in Abidjan for two years. He also has a certificate in faecal sludge management that was organized by 2ie and UNESCO-IHE in 2016. After his undergraduate degree, he has obtained some work experience at Franzetti-CI, a construction company in Côte D'Ivoire and Terrabo, a consulting engineering firm before switching to the field of irrigation at BANI, another consulting engineering firm in February 2016. He did his internship at SODEXAM in Côte D'Ivoire. N'guessan intends to work for renowned companies in Africa in his early career and later transfer the knowledge and experience he will obtain to his country by working for the national water company (SODECI).



GISELE ICYIMPAYE

icyimpaye992@gmail.com

Home country: Rwanda

Working language(s): English, French, Kinyarwanda

M.Sc. thesis:

Contribution of hydrological and hydraulic models to forecast river flood risks and proposition of management measures. Case study of Nyabugogo River in Rwanda

Supervisor: Dr. Abdelbaki Chérifa

lecturer at Abou Bakr Belkaid University of Tlemcen

Profile:

Gisele Icyimpaye holds a Bachelor's degree in Water and Environmental Engineering with Upper Second Honors in 2015 from College of Science and Technology, University of Rwanda. She has carried out internships which include one professional internship at The Ministry of Environment former Ministry of National Resources of Rwanda and an academic internship at Rwanda water and forestry authority. She is currently completing her Master's degree in water Engineering at the Pan African University Institute of Water and Energy Sciences (PAUWES), Tlemcen, Algeria. Her research interests consist of watershed management through horological modelling.



TIMOTH MKILIMA

tmkilima@gmail.com

Home country: Tanzania

Working language(s): English, French, Swahili

M.Sc. thesis:

Storm water runoff modeling for improving floods resilience, water supply and soil and ecological conservation. The case of Msimbazi catchment in Dar es salaam, Tanzania

Supervisor: Dr. Stephen Mbuligwe

Senior lecturer, School of Environmental Science and Management at Ardhi University

Profile:

Timoth Mkilima received his BSc in Municipal and Industrial Services Engineering from the School of Environmental Science and Technology (SEST) at Ardhi University, Tanzania obtained in 2015. Prior to joining Pan African University institute of Water and Energy Sciences (including climate change) for his Masters studies in Water Engineering, he worked as a Research Officer on the World Health Organization (WHO) project titled, "Determining WaSH resilience to climate change in Tanzania" at Ifakara Health Institute in Dar es Salaam. His Undergraduate dissertation focused on assessing the evolution and role of Pseudo-natural wetlands in pollution attenuation and microclimate modification in Dar es Salaam. In the Undergraduate academic year 2103/2012 he was awarded two certificates (National Environment Management Council (NEMC) prize and Vice-Chancellor's prize) for excellent performance based on overall GPA in the Environmental Engineering department. He has participated in various consultancy projects, including the Mid-line survey and impact evaluation of the Millennium Challenge Corporation (MCC) Water Sector Project in Morogoro and Dar es Salaam regions in Tanzania. Timothy's interest is to integrate with sustainable development activities.

Water Engineering Track



ROKIATOU HAIDARA

queeny1994@yahoo.fr

Home country: MALI

Working language(s): English, French

M.Sc. thesis:

Study of the Feasibility of Water Reuse for Agriculture as an Adaptation Measure to Climate Change (Case Study of Ain Temouchent,Algeria)

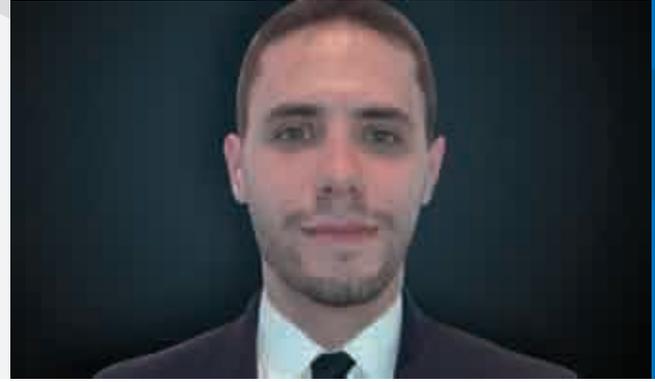
Supervisor:NADIA BADR

Professor at the Environmental Sciences Department – Faculty of Sciences – University of Alexandria – Egypt

Co-supervisor: CHERIFA ABDELBAKI

Profile:

Rokiatou Haidara holds a Bachelor's degree in Hydraulics, with a major on Water Treatment and Purification (University Belhadj Bouchaib, Ain Temouchent Algeria). In PAUWES, she studied a Master's of Science in Water Engineering Track. She did her internship at the Algerian Water Company, National Sanitation Office (ONA) in Algiers. She carried out a research internship at the Environmental Sciences Department, Faculty of Sciences, University of Alexandria in Egypt. She has had some international experiences such as attending a summer school at the Center for Development Research (ZEF) in Bonn, Germany and participating to the Research2Practice conference in Tlemcen. She aspires to participate towards the development of the water and sanitation sector of her country, Mali, and Africa at large. She would like to work with international organizations in the water and environmental fields. Rokiatou has an interest in the management of the sanitation situation in Africa, especially the valorization and reuse of the wastewater, in the context of water scarcity for a sustainable development.



MOHAMMED ELHADI BOUABDALLAH

elhadi_paris@hotmail.com

Home country: Algeria

Working language(s): English, French, Arabic, basic Italian

M.Sc. thesis:

Groundwater vulnerability mapping in the karstic system of Ghar Boumaza, using the C.O.P. method

Supervisor:Fouzia BENSAOULA

Professor

Co-supervisor: Mohammed ADJIM

Profile:

Mohammed ElHadi Bouabdallah obtained his Bachelor's degree in Technology and Water Sciences from the University Abou Bekr Belkaid of Tlemcen, Algeria in 2014. He thereafter enrolled for his first Master's degree (French language) at the University Abou Bekr Belkaid of Tlemcen, where he was the second-best student of his cohort. During this period, he did a Master's thesis on creating a website and different software on fluid mechanic domain of which he graduated in 2016. He then joined PAUWES for his second Master's degree in Water Engineering. He did his internship at the wastewater treatment plant of Tlemcen. He was also interned at the water resources office of the Wilaya of Tlemcen during this year's internship period. Additionally, he also taught English as a volunteer in Italy this year. Mohammed is expecting to further his studies to PhD level upon graduation.



SARRA
TADLAOUI

Sarrated@gmail.com

Home country: Algeria

Working language(s): English, French, Arabic

M.Sc. thesis:

Assessment of climate change and its impact on water resources (TAFNA Basin)

Supervisor: Tirusew Asefa

courtesy Professor, USF School of global sustainability;manager,Planning & System decision support, Tampa bay Water;Co-chair,Florida water and climate Alliance,Florida,USA

Co-supervisor: Navneet Kumar

Profile:

Sarra Tadlaoui is a Water Engineer who holds a Master's degree in Water, Soil and Management (2016) and a Bachelor's degree in Science and Technology of Water (2014) from University of Abou Bekr Belkaid - Tlemcen, Algeria. She also did a short course in scientific English prior to joining PAUWES to study Master's in Water Engineering. Her research was on climate change and its impacts on water resources in North West of Algeria. She has participated in various international programs in Algeria, France, and Germany. During her Master's Thesis, she did a career internship at Regional Organization of Hydraulic in Tlemcen, Algeria and a research internship at the Water Resources Office in Tlemcen, Algeria. She attended a summer school on 'Coping with the impact of climate change in managing water system' at ZEF in the University of Bonn in Germany. After graduation, Sarra plans to continue with research and pursue a PhD in climate change and water security in Africa which is her area of interest.



SAMIR
MORSLI

samirou10dz@outlook.fr

Home country: Algeria

Working language(s): English, French, Arabic

M.Sc. thesis:

Study of the assignment scheme of water resources in the Tafna watershed

Supervisor: ABDELBAKI Chérifa

Lecturer A at the university of Tlemcen

Profile:

Samir Morsli obtained his Bachelor's degree in Science and Technology of Water (University of Tlemcen), Algeria in 2014. He also holds a Master's degree in Hydraulic Engineering: Water, Soil and Development (University of Tlemcen - 2016). He has carried out various internships, one professional internship at Integrated Water Resources Management Agency, Algeria in 2018, and an academic internship at Watershed Agency Oranie Chott Chergui, Algeria. He attended the summer school at ZEF Center for Development Research, University of Bonn (Germany). He is currently completing his second Master's degree in Water Engineering at PAUWES. His research interest is to study the assignment scheme of water resources in the Tafna watershed. After PAUWES, Samir would like to work with an organization in the field of water management. He also aspires to undertake a PhD and conduct further research in the field of water in Africa.

Water Engineering Track



CAROLINE CHEPTOO BETT

caroline.bett@gmail.com

Home country: KENYA

Working language(s): English, Kiswahili

M.Sc. thesis:

Analysis of the Effects of Land Use / Land Cover Change on River Flow Regime: A Case Study of Mkurumudzi River Sub - Catchment

Supervisor: Dr. Aggrey Ochieng Adimo

Lecturer, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya

Profile:

Caroline Cheptoo Bett holds a Bachelor of Science Degree in Water Engineering, Second Class Honors, Upper Division from Kenyatta University in Kenya obtained in 2011. After her undergraduate studies, she joined consulting firms for practical work experience. She has worked with Kwale International Sugar Company, Maven-Tech and SOBOCON Engineering and management Consultants under supervision of professional engineers, in planning, design and project supervision of construction of water supply, sewerage and irrigation systems as an Assistant Engineer to the Resident Engineer. Her interest is to provide engineering professional views on environmental issues in an urban setting to address the challenges brought about by climate change. Caroline intends to use her expertise to promote a clean, healthy, safe and sustainably managed environment in order to secure livelihood and economic prosperity by reducing the number of people without access to water and sanitation services.



INNOCENT OKUMU WANYONYI

innoncedovis@yahoo.com

Home country: Kenya

Working language(s): English, Swahili

M.Sc. thesis:

Determination of sediment yield and assessment of the impact of best management practices for catchment management. A case study of the upper Nzoia catchment

Supervisor: Professor Japheth Onyando

Dean Faculty of Engineering and Technology Egerton university

Profile:

Innocent Wanyonyi graduated with a First-Class Honors in BSc in Hydrology and Water Resources Management with I.T (Maseno University – Kenya) in 2013. After his undergraduate, he worked as an intern in various fields. He worked as a hydrology intern at The Lake Victoria Water Resource Management Authority. He also worked as a GIS intern at ESRI Eastern Africa. He undertook his research internship at the Lake Victoria Water Service Board that gave him a platform to gain knowledge in designing, implementation and monitoring of water projects. He was also trained in engineering software (SewerCAD and WaterCAD). His experience at PAUWES, have been very productive as he has been empowered academically and also had the opportunity to interact with bright minds from all over the continent. Innocent was an active member of PAUWES Community of Practice.



ALBERT ELIKPLIM AGBENORHEVI

aelikplimalbert@gmail.com

Home country: Ghana

Working language(s): English, French

M.Sc. thesis:

Impact of Climate Change on Groundwater Resources of the Atankwidi Basin in Ghana, West Africa

Supervisor: Emmanuel Obuobie PHD; CSIR-WRI

Profile:

Albert Elikplim Agbenorhevi holds a First Class (Honors) Bachelor's Degree in Water and Sanitation (University of Cape Coast in Ghana). After his graduation, he worked as a Teaching Assistant in the Department of Water and Sanitation of the same University. He also headed all water projects for Teknik Ohne Grenzen (TeoG), a German based NGO in Ghana (2016-2015). Studying at PAUWES, he was a core pillar in career service events organization of PAUWES Community of Practice (CoP) and Entrepreneurship club. He interned at the West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL) Competence Centre in Ouagadougou, Burkina Faso. In March 2018, he was a UN delegate for an SDG conference in Bonn, Germany. Being a team player, effective communication and self-motivation in the midst of challenges are his major strengths. Looking forward, Albert sees his exploits being acknowledged in Water-Sanitation-Climate nexus and desires the office of a Bishop.



YETAGESU TALEGETA HAILE

yetegeta@gmail.com

Home country: Ethiopia

Working language(s): English, Amharic

M.Sc. thesis:

Performance evaluation and optimization of an industrial treatment plant (Case study: Bahir Dar textile, Ethiopia)

Supervisor: Dr. Elfu Amare

Assistant Prof. of Environmental Engineering

Co-supervisor: Dr. Lotfi Benadda

Profile:

Yetagesu Talegeta Haile holds a Bachelor's degree in Water Supply and Environmental Engineering from Arba Minch University in Ethiopia. During his undergraduate studies, he was involved in various positions among them a team organizer in water and environment club, head of entrepreneurship and innovation club, and class representative. After his graduation, he was employed in the university as an assistant lecturer for two years. He has attended different seminars, conferences and various workshops related to sustainable water resource management and thereto. He joined PAUWES in 2016 where He was an active participant in various opportunities within the institution. He attended a summer school at the University of Bonn (Germany). Additionally, he was also interested in entrepreneurship developments at PAUWES and worked as a focal person in the club and through this, he developed good communication and interpersonal skills. Yetagesu believes that the exposure and experiences he obtained from PAUWES will be an asset for his upcoming acquaintances.

Water Engineering Track



ZENZO SIBANDA

zenzo.sibanda@nust.ac.zw

Home country: Zimbabwe

Working language(s): English

M.Sc. thesis:

Design and Operation of Constructed Wetlands for the Treatment of Leachate from a Municipal Landfill in Zimbabwe

Supervisor: Prof. Joseph A. Adelegan

Professor of Practice of Civil and Environmental Engineering, School of Environmental Sciences, University of Venda, Limpopo, South Africa

Profile:

Zenzo Sibanda completed his Bachelor's degree in Civil and Water Engineering at the National University of Science and Technology (NUST) in 2014. He thereafter worked in his alma mater as a Teaching Assistant and Junior Research Fellow. He possesses 3 years' experience working as a civil and structural engineer, and has undertaken several professional and academic internships in Zimbabwe. During his tenure at PAUWES, he was the secretary of the Editorial Team in the PAUWES Community of Practice (CoP). His research interests include groundwater hydraulics and modeling, pipe network optimization, water quality and wastewater management. After PAUWES, Zenzo will venture into social entrepreneurship, civil engineering consultancy and doctoral studies.



NGAGUE HISSEINE GANDA

hisseinengague@yahoo.fr

Home country: CHAD

Working language(s): English, French, Arabic

M.Sc. thesis:

Study of the impact of climate change on surface water by hydrological modeling: case of Dano Catchment

Supervisor: Dr Yaovi Aymar BOSSA

Senior Scientist Hydrology and Climate Change Wascal Competence Center

Profile:

Ngague Hisseine Ganda holds a Bachelor's Degree in Water Engineering and Sanitation from the International Institute of Water and Environmental Engineering (2iE). He also holds a Certificate of Competence in Sludge Management, a training program initiated by UNESCO-IHE in Netherlands. Since 2015, he has been committed to the cause of water in the World Youth Parliament for Water (WYPW) where he has held the position of facilitator until now. To this end, he has been involved in several projects related to water and sanitation including climate change. He has been presenting WYPW in several conferences and International Forum as a participant or organizer.



JULIUS OMONDI

juliusomondi14@gmail.com

Home country: Kenya

Working language(s): English, French, Swahili

M.Sc. thesis:

Drought analysis for water planning in Agriculture (Case study of Gourma province - Eastern Burkina Faso)

Supervisor: Dr Amadou Keita

Researcher/Professor at the International Institute for Water and Environmental Engineering (2iE), Burkina Faso. Dr Amadou KEITA, MSc, PhD (Land, Water & Forest Development)

Profile:

Julius Omondi trained as an Environmental and Biosystems Engineer from the College of Architecture and Engineering (University of Nairobi in Kenya). Upon graduating, he joined GEDO Associates in Kenya as a Graduate Engineer. He later joined PAUWES as a Water Engineering student. At PAUWES, he was involved in the PAUWES Community of Practice (CoP) as a self-taught photographer and the group leader of the Multi-Media Team. In Algeria, he learned French language, which enables him to work in a Francophone environment. From his master thesis research work (carried out in Burkina Faso), Julius has combined engineering and entrepreneurship ideas to innovate a sustainable solution to the huge losses incurred by farmers as a result of drought. He has a private project in Kenya at Kwoyo water supply project where he is designing water supply system for the village. Julius aspires to work internationally as a researcher providing solutions to problems.



NGONI C. CHIRINDO

ncchirindo@gmail.com

Home country: Zimbabwe

Working language(s): English

M.Sc. thesis:

Development of sugarcane crop water Budgeting calibration Tool for Catchment Water Management. Case study: Zimbabwe' South-Easternlowveld

Supervisor: Dr Andrew Ako Ako Jr

Senior Research Officer/ Maitre de Recherche in the Ministry of Scientific Research and Innovation-Yaounde, Cameroon

Profile:

Ngoni Conilius Chirindo graduated with a BSc. in Agricultural Engineering from Chinhoyi University of Technology in Zimbabwe. He is dedicated innovator and a successful engineer who has more than 5 years of combined experience as an Agricultural Engineer Aide and Water Engineer in prominent Agricultural Organizations in Zimbabwe. After realizing a gap in water management and access in his country, he was motivated to undertake an MSc. in Water Engineering at PAUWES in Algeria. Studying at PAUWES has given him the opportunity to participate in workshops, internship, conferences, symposium among others. This include a workshop on the Impact of Climate Change in Managing Water Systems, (July 2017), Bonn, Germany. After PAUWES, he would like to work with an organization in the field of water for agriculture, research or consultancy in water technology. He also would like to pursue a PhD if opportunity arises and conduct further research in the field of water in Africa and beyond.

Water Engineering Track



VINCENT OGEMBO

v.o.ogembo@gmail.com

Home country: Kenya

Working language(s): English, French, Kiswahili

M.Sc. thesis:

Hydrological Modeling and Climate Change Impacts on Kuja River Basin using HEC-HMS and HEC-GeoHMS Models. A Case Study of Kuja River Basin, Kenya

Supervisor: Prof. Tirusew Aseta
Professor University of Florida, USA

Profile:

Vincent Ogembo holds a Bachelor's degree in Soil, Water and Environmental Engineering (2014) and a Master's of Science in Soil and Water Engineering (2017) from Jomo Kenyatta University of Agriculture and Technology (JKUAT) in Kenya. He was a Water Engineering student at PAUWES. He has previously worked as a Lecturer at the Kenya Water Institute (KEWI) and Jomo Kenyatta University of Agriculture and Technology (JKUAT). Currently, he is a Lecturer at Jaramogi Oginga Odinga University of Science and Technology in Kenya and also owns a Consultancy and Construction Company based in Kenya. In PAUWES, he served as the students' leader, and also assisted in planning and implementation of various activities. Vincent would wish to inspire and empower the future generation, solve African water problems and be a great leader who will make Africa be self-dependent.



FREDDY HOUNDEKINDO

freddykindo@gmail.com

Home country: Benin

Working language(s): English, French, Spanish

M.Sc. thesis:

Flood risk assessment in the Niger River Basin in support of the conception of a flood risk management plan: case study of the district of Malanville, Benin

Supervisor: Dr. Erik mosselman
Delft University of Technology, Assistant professor / Researcher / Lecturer Deltares, Specialist / Expert adviser / Deputy Department head

Co-supervisor: Biswa Bhattacharya

Profile:

Freddy Houndekindo is a water engineer focused on providing highly valuable and practical solutions to address water management challenges. Prior to joining PAUWES, he was awarded the Benin government scholarship of excellence to pursue a Bachelor's degree in Hydrology. Conscious of the challenges posed by climate change to the management of water resources, he interned at the Global Water Partnership (GWP) climate change program in Sweden in 2018. In his master thesis, he worked on assessing the flood risk in the Niger River Basin. The goal was to assist decision-makers in the implementation of a sound flood risk management plan to alleviate the damage caused by the annual flooding of the Niger River on the population, the economy and the environment. Freddy would like to engage his skills and knowledge in a dynamic work environment that will help further his career while bringing his experience and education to the company as well.

Water Engineering Track



CHRISTIAN NDAYEGAMIYE

k4chris@yahoo.fr

Home country: Burundi

Working language(s): English, French

M.Sc. thesis:

Estimation of Soil Erosion and Sediment yield using the Geowep model in wadi el malleh Watershed, Morocco

Supervisor: Abdelkader El Garouani

Professor, Sidi Mohamed Abdellah University, Faculty of Sciences and Techniques Fez, Morocco

Profile:

Christian Ndayegamiye holds a Bachelor of Science degree (first-class honors) in Agronomy; Irrigation and Drainage track (Batna University – Algeria). Prior to joining PAUWES, he completed a professional internship in two IFAD (International Fund for Agricultural Development) projects in Burundi where he assisted in planning and supervision of the construction of small-scale irrigation schemes. His studies of water engineering at PAUWES have widened his African perspective on water resources management. Being so attached to sustainable food security and improving the smallholder farmers' livelihoods, Christian is convinced that this can only be achieved through integrated soil fertility and water resources management and will remain committed to his vision of building robust, resilient and reliable agricultural water systems in his country (Burundi) and across the African continent.

Water Policy Track



BIZUHORAHO THEOBALD

tbizuhoraho@gmail.com

Home country: RWANDA

Working language(s): English, French, Ikinyarwanda & Swahili

M.Sc. thesis:

Implications of Water Policy on Irrigation Performance, case study, Eastern Province of Rwanda

Supervisor: Prof. Dr. NADIA Badr El-Sayed

Professor of Pollution & Environmental Chemistry, Department of Environmental Sciences, Faculty of Science, Alexandria University, Moharrem Bek, Alexandria 21511, Egypt

Profile:

Bizuhoraho Theobald obtained a BSc in Soil and Water Management from the University of Rwanda in 2015. He served as a secondary school teacher prior to joining the LWH Project specialized in hillside irrigation in Rwanda. This experience motivated him to apply for water policy program at PAUWES. In his master thesis, he assessed the implications of water policy on irrigation performance in the Eastern Province of Rwanda. He is enthusiastic that, in line with AU Agenda 2063 and SDGs program, his master thesis will help to improve water use in agriculture to achieve food security. He participated in summer school at ZEF in Bonn, Germany, and also interned at the Institute of Policy Analysis and Research - Rwanda. He has also written different scientific papers. Bizuhoraho is passionate about engaging his skills and knowledge in activities related to water management and agriculture, as well as to continue his dedication to research projects to enhance water use efficiency and Rural development in Africa.

Water Policy Track



RISPER OTEKE

risperoteke@yahoo.com

Home country: Kenya

Working language(s): English

M.Sc. thesis:

Assessment of Gender Barriers to Marine Resources Access

Supervisor: Salomao Bandeira

Assoc. Prof. Marine Botany Departamento de ciencias Biologicas Universidade Eduardo Mondlane , Maputo Mozambique

Profile:

Risper Oteke is a Bachelor's graduate of Environmental Management from Makerere University in 2010. As a research associate with CORDIO East Africa in Mombasa, she worked on a project "Adapting to Climate change coping with short term climate variability through seasonal prediction and social resilience" (Southern Kenya, Northern Tanzania). Among her key achievement, the development of a sub-catchment management plan in Sio-Malaba-Malakisi River basin of Kenya and Uganda. Her great interest lies in community mobilization, working with women and youth groups. As a project manager (2015-2013), she moulded her leadership skills, management of international donor funds and solar power plant establishment at Kisauni Youth polytechnic. At PAUWES, she was the Community of Practice leader and coordinated HEIRRI project. As a certified environmental Management Practitioner, Risper can be reached for consultations at risperoteke@yahoo.com.



NATHAN MAJWA

nmajwa@gmail.com

Home country: Kenya

Working language(s): English, French, Kiswahili

M.Sc. thesis:

An Evaluation of Impacts and Sustainability of Oxfam's Water Projects in Juba, South Sudan

Supervisor: Prof Bolaji Abdulfatai Sule

Lecturer

Co-supervisor: Mariana Mutoso

Profile:

Nathan Majwa holds a BSc in Environmental Conservation and Natural Resources Management from the University of Nairobi in Kenya, focusing on Natural Resource management including River basin restoration. PAUWES presented an opportunity for him to understand water policies including transboundary water management. Within the last two years in Algeria, he also did an internship and research work in South Sudan. Nathan was also engaged in several cultural and social activities in PAUWES. His MSc thesis deals with Evaluation of Water Projects done by Oxfam in Juba, South Sudan. He intends to work with Non-governmental Organization in water and sanitation programs to help increase safe water coverage in the world.



REHIMA kedir Mohammed

rakeked27@gmail.com

Home country: Ethiopia

Working language(s): English

M.Sc. thesis:

Optimising Benefits of Cooperation on Transboundary Rivers: A case of Blue Nile River

Supervisor: Azage Gebreyohannis
PhD

Profile:

Rehima Kedir Mohammed is a Bachelor's degree graduate in Soil and Water Engineering from Haramaya University in Ethiopia. Prior to joining PAUWES, she had worked as a Water Engineer in Oromia water works design enterprises for 4 years. Additionally, she has also worked as a WASH coordinator in a humanitarian organization for almost 4 years. After graduation, Rehima would wish to help her county, Ethiopia and Africa at large by being a water policy analyst.



VINCENT HABUMUGISHA

vincenthaba@yahoo.fr

Home country: Rwanda

Working language(s): English, French, Kinyarwanda

M.Sc. thesis:

Assessing Students' Knowledge, Attitudes and Practices on Water, Sanitation, Hygiene, and Related Diseases in Selected Schools in Musanze District, Rwanda

Supervisor: Prof. Dr. Bolaji F.Sule
Professor of Water Resources and Environmental Engineering, University of Ilorin, Ilorin, Nigeria

Co-supervisor: Felix NDAGIJIMANA

Profile:

Vincent Habumugisha holds a Bachelor's degree with honors in Soil Science and Environmental Management (University of Rwanda) and a BSc with honors in Business Administration from University of the People (USA). He attended the 2017 Summer School on Coping with the Impact of Climate Change in Managing Water Resources at the Centre for Development Research (ZEF), Bonn, Germany. Before joining PAUWES, he has worked as a Conservation Education Consultant at Karisoke Research Center of the Dian Fossey Gorilla Fund Internal Africa Program. He has also worked as a Student Services Officer for University of the People (USA). Since 2015, Vincent has been a visiting lecturer, notably in the faculty of business and economic at Muhabura Integrated Polytechnic College - Rwanda. His future aspirations are to work in monitoring and evaluation of projects and to further his studies at PhD level so as to be a senior researcher and university lecturer in the fields of water, climate change, and food security policy nexuses.

Water Policy Track



HAPPYNESS NGONYANI

ngonyanihappyness@gmail.com

Home country: Tanzania

Working language(s): English, Kiswahili

M.Sc. thesis:

Assessing the Role of Water User Associations in Restoring of the decreased Environmental Flow and Degraded Freshwater Ecosystem in Tanzania. A case of Mkoji sub catchment

Supervisor: Dr. Khaldoon A. Mourad

PhD and Supervisor. Center for Middle Easter; Lund University, Sweden Lund/ Sweden

Profile:

Happyness Ngonyani, a student of MSc. water policy (2018-2016), holds a Bachelor of science with honors in Aquatic Environmental Science and Conservation (University of Dar es Salaam), Tanzania. Before joining PAUWES, she worked as a quality controller at MSABI, an NGO in the water area. She volunteered with Tanga coelacanth Marine Park in 2013 and has experiences, including on marine research, marine resources conservation and protection. She has also volunteered at Ubungo Water Office with the Ministry of Water and Irrigation (Tanzania) as a water quality technician and quality controller. She joined PAUWES in 2016 and has been a member of the Entrepreneurship and Innovation Club. Additionally, she has had internships with the Ministry of Water and Irrigation of Tanzania in Rufiji Basin Water Board at Ifakara Office and African Wildlife Foundation. Happyness would be interested to continue with her acquired knowledge in water resources management and climate change, policy and research.



CLEMENT KAMIL ABDALLAH

abdallahclementkamil@gmail.com

Home country: Ghana

Working language(s): English, Dagbani

M.Sc. thesis:

Water Quality Assessment of Irrigation Water Used by Informal Periurban vegetable Irrigation farmers: Overview of Policies and Regulations in Tamale Metropolis, Ghana

Supervisor: Prof. Dr. Nadia Badr El-Sayed

Professor of Pollution & Environmental Chemistry Environmental Sciences Department- Faculty of Science Alexandria University. Alexandria, Egypt

Profile:

Clement Kamil obtained his Bachelor's degree in BA Community Development from University for Development Studies (UDS), Ghana. Through a field practical programme of the university, he engaged and interacted with many northern rural communities in Ghana. His experience in the field was the major drive to further his studies in MSc. Water Policy. Before joining PAUWES, he served as an undergraduate research assistant at the department of Community Development, UDS. Clement interned at WaterAid Ghana where he joined "Entertainment for WASH" project. At PAUWES, he was the co-leader of PAUWES Community of Practice (COP), participated in seminars, conferences and summer schools. Currently, Clement is part of the team implementing World Vision/BIDO river basin preservation in Ghana. Clement aims at pursuing a doctoral degree in the field of integrated water resource management.

Water Policy Track



MAWULOLO YOMO

yomoe2816@gmail.com

Home country: Togo

Working language(s): English, French

M.Sc. thesis:

Assessing Water Security in a Changing Environment: Case Study of Oti Nord Sub-Basin in Togo

Supervisor: Khaldoun A. MOURAD

PhD and Supervisor, Center for Middle Easter; Lund University, Lund, Sweden

Co-supervisor: Masamaeya D. T. Gnazou (PhD, Université de Lomé/Togo)

Profile:

Mawulolo Yomo holds a Master's degree in Geography (Climate Change and Human Security option) from the West African Science Service Center on Climate Change and Adapted Land Use (WASCAL) and a Bachelor's degree in Environmental Management (University of Lomé-Togo). Before joining PAUWES, Mawulolo was serving as an intern at the Togolese Red Cross Society's' project for risk reduction and climate change adaptation in flood prone communities. She was also acting as a volunteer trainer at American Corner at the University of Lomé. She participated to various seminars and conferences, amongst them: Research-2-Practice Forum (Algeria), and Dresden Nexus Conference (Germany). She served as PAUWES Community of Practice (CoP) Chief Editor, and was a co-founder of PAUWES Climate Change and Gender Club. After PAUWES, Mawulolo plans to pursue a PhD in Water Resources Management or Environmental Studies. She also plans to be involved in research and the implementation of research-based projects on water in a changing climate in Africa.



ARNOLD KIPCHUMBA

arnoldtuei@yahoo.com

Home country: Kenya

Working language(s): English, Kiswahili

M.Sc. thesis:

Evaluating the Effects of Devolution on Water Service Provision in Kenya

Supervisor: Dr. Kipkorir Arap Sigi

Natural Resource Management Specialist

Co-supervisor: Dr. Lotfi Benadda

Profile:

Arnold Kipchumba is an avid environmentalist and Co-Founder of Eco-Green Consulting, Kenya. A company focusing on Environmental Impact Assessment, Environmental Education, Policy, and Research. He has a Master's degree in Environmental Science from Egerton University, Kenya. He has worked at an Intergovernmental Institution developing, monitoring, and reviewing policies related to Environment and Natural Resources in Kenya. He is currently involved in the Kenya's National Climate Change action plan II (2022-2018) and; operationalizing an Inter-Governmental Water Sector Coordination and Cooperation Framework whose goal is to steer the attainment of a robust and sustainable water sector in Kenya. He is also the Co-Founder and Vice President of PAUWES Entrepreneurship and Innovation club (PEIC). He is passionate about building resilient and sustainable economies by ensuring communities are empowered on the importance of protecting and conserving the Environment.

Water Policy Track



FELIX KASITI

kasitif@gmail.com

Home country: Kenya

Working language(s): English, French, Kiswahili

M.Sc. thesis:

Assessing the potential for water stewardship partnership using Water Risk and Action Framework: case study of Nzoia Basin, Kenya

Supervisor: Dr. Khaldoon A Mourad

Supervisor Center for Middle Easter; Lund University, Sweden Lund/ Sweden

Profile:

Felix Kasiti is an enthusiastic hydrologist with a background in Hydrology and water resources management with IT from Maseno University in Kenya, the class of 2013. Before joining PAUWES in 2016, he was working as a technical manager at Safe Water and Sustainable Hygiene Initiative (SAWASHI) a WASH NGO based in Western Kenya where he led the drilling of new wells, rehabilitation of failed water points as well as repair and maintenance of existing water projects. He attended a summer school in July 2017 in Bonn themed coping with the impacts of climate change in managing water systems where he learnt about climate and hydrological modeling and flood management. Currently, he is volunteering as a water quality officer at SAWASHI. His responsibilities include conducting water quality analysis, monitoring and evaluation, community training on safe sanitation and hygiene practices. His dream is to champion for sustainable utilization of water resources as a water steward in the WASH industry.



AMOS SHYAKA KAZORA

shyakaamos@gmail.com

Home country: RWANDA

Working language(s): English, French, IKinyarwanda

M.Sc. thesis:

Assessing the Sustainability of Decentralized Wastewater Treatment Systems(Dwwts's) in the Cities of the Cities of Developing Countries; Case Study: Kigali City, Rwanda

Supervisor: Dr. Khaldoon A Mourad

Senior researcher at Center for Middle Eastern Studies, Lund University

Profile:

Amos Shyaka Kazora holds a Bachelor of Science (BSc) degree with Honors in Water and Environmental Engineering from former Kigali Institute of Science and Technology (KIST), Rwanda. He has more than three years experience in water and sanitation related works and services. His skills implicate with both operation and management works counting in urban and rural water supply, and operations of wastewater management systems. Before joining PAUWES, his career was covering strong managerial, analytical and supervisory skills through executing and monitoring of sewerage systems. After PAUWES, he would like to work with an organization in the research field or consultancy services in Sanitation. Amos always look for new avenues within water and sanitation engineering processes, the ones which can make him acquire the relevant experience required while enabling his professional and personal development.



MAHAMAT MOUNTASSIR MAHAMAT ALI

mountassirmahamatali@yahoo.fr

Home country: CHAD

Working language(s): English, French, Arabic

M.Sc. thesis:

Use of Geographical Information System (GIS) and Water Quality Index (WQI) To assess Groundwater quality in Naama (Algeria)

Supervisor: Chabane Sari Sidi Mohammed
PAUWES Water Coordinator

Co-supervisor: Samed Derdour

Profile:

Mahamat MOUNTASSIR MAHAMAT ALI has a Bachelor's Degree in Water and Environmental Engineering from the International Institute of Water and Environmental Engineering (2iE) in Ouagadougou, Burkina Faso. He did his internship in designing of water supply systems, wastewater treatment and irrigation system at Group Kherbouch in Algeria. He has also been involved in volunteering activities as the country focal point for Network of African Youth for Development (NAYD) and an active member of World Youth Parliament for Water representing Chad. Additionally, he is also a member of the PAUWES Entrepreneurship club which promotes the entrepreneurial ideas for African youths across the continent. Mahamat would like to be integrated in international or national companies, and later with professional experience, expand his project and start his own business in order to participate in the development of his country.



MUTAMBO MICHEAL

mimutambo@gmail.com

Home country: Uganda

Working language(s): English

M.Sc. thesis:

Analysis of rainwater quality for water supply: A case study of Kiboga District in Central Uganda

Supervisor: Prof. Joseph Adelegan
PhD, C.Eng, Professor of Civil and Environmental Engineering, School of Environmental Sciences, University of Venda, South Africa

Profile:

Mutambo Micheal graduated with a Bachelor of Science in Civil engineering (First Class Honors) from Ndejje University in 2014. After graduation, he was retained at the University as a Tutorial Assistant at the Faculty of Engineering. In May 2015, he joined the Ministry of Water and Environment in Uganda as a Civil Engineer where he worked on different water projects within Uganda. During his two years of study at PAUWES, he has been equipped with skills in research, modelling, design, management, policy analysis and climate change adaptation. In future, Micheal aspires to becoming a Professor, Researcher and a Consultant in the Water Sector.



GEORGE KIAMBUTHI WAINAINA

gkiambuthi@gmail.com

Home country: Kenya

Working language(s): English, Kiswahili

M.Sc. thesis:

COMPARATIVE ANALYSIS OF FACTORS THAT INFLUENCE CONSISTENCE USE OF HOUSEHOLD WATER TREATMENT AND STORAGE IN NORTHERN KENYA

Supervisor: Dr. (Eng). James Messo
Chairman, Soil, Water & Environmental Engineering Department, School of Biosystems & Environmental Engineering, Jomo Kenyatta University of Agriculture & Technology

Co-supervisor: Dr. Sara Marks and Regula Meierhofer
Eawag -Swiss Federal Institute of Aquatic Science and Technology

Profile:

George Kiambuthi Wainaina holds a Bachelor's degree in Water and Environmental Engineering from Egerton University in Kenya and a Master's degree in Water Policy from PAUWES. His Master's Thesis led to his selection as an Eawag (ETH-Swiss Federal Institute of Aquatic Science and Technology) partnership program fellow 2018. Over the years, he has gained experience in managing and executing livelihood-based projects including drip irrigation, water and sanitation from organizations such as Caritas Switzerland, Dripsol Company among others in Kenya. He has managed to fit in different project roles due to his multidisciplinary background in water policy and water and environmental engineering. He also has a very strong background in statistics. His country experiences include Kenya, Switzerland and Algeria. George is looking forward to challenging positions in water, sanitation, livelihoods, monitoring, and evaluations. At PAUWES, he was the president and co-founder of the PAUWES Entrepreneurship and Innovation Club.



CHARLES GICHOVI

chamaich@gmail.com / cgichovi@ncck.org

Home country: Kenya

Working language(s): English, Swahili

M.Sc. thesis:

Assessment of the yield response to water for dry beans by simulation using AquaCrop model under changing climate, a case study of Embu, Kenya

Supervisor: Dr. Messo Raude
Senior Lecturer, Jomo Kenyatta university of Agriculture and Technology

Profile:

Charles Gichovi graduated with a BSc. in Soil Water and Environmental Engineering from Jomo Kenyatta University of Agriculture and Technology (JKUAT) in Kenya in June 2013. He has two and a half years working experience as a Conservation Agriculture Food Security Project officer in a Canadian Food Grains Bank funded project in Embu Kenya. He did his internship at the National Council of Churches of Kenya (NCCK) under the organisation's Environment and Climate Change Program. The Organisation has recently considered him for employment as a Program Officer in-charge of Climate Change Resilience Projects. PAUWES has helped him further his knowledge and skills in water policy and climate change. It has in addition given him an opportunity to network with professionals from the rest of Africa and beyond. Charles looks forward to working internationally in the field of Climate Change Resilience.

Water Policy Track



HAMEL MOHAMMED

hhydrau@gmail.com

Home country: Algérie

Working language(s): English, French, Arabic

M.Sc. thesis:

The Impact of climate change erosion and food security in the extreme west of Algeria

Supervisor: HABI Mohammed

Professor at the university of Aboubaker Belkaid Tlemcen

Co-supervisor: Boutkhil Morsli

Profile:

Hamel Mohammed has a Master's degree in Science of Water from Abou Bekr Belkaid University of Tlemcen in Algeria. Prior to joining PAUWES in the Water Policy Track in 2016, he worked as an engineer in the petroleum company SONATRACH in Illizi, Algeria. At PAUWES, he was the leader of the north block of Africa in the PAUWES Entrepreneurship and Innovation club (PEIC). During his time at PAUWES he interned at the National Institute for Forest Research (INRF Algeria).



OMAR DAIM

daim.omar@yahoo.fr

Home country: Algérie

Working language(s): English, French, Arabic

M.Sc. thesis:

Impact of treated wastewater irrigation on soil properties and groundwater quality

Supervisor: Chérifa ABDELBAKI

Professor

Profile:

Mutambo Micheal graduated with a Bachelor of Science in Civil engineering (First Class Honors) from Ndejje University in 2014. After graduation, he was retained at the University as a Tutorial Assistant at the Faculty of Engineering. In May 2015, he joined the Ministry of Water and Environment in Uganda as a Civil Engineer where he worked on different water projects within Uganda. During his two years of study at PAUWES, he has been equipped with skills in research, modelling, design, management, policy analysis and climate change adaptation. In future, Micheal aspires to becoming a Professor, Researcher and a Consultant in the Water Sector.

Water Policy Track



ABDINUR ALI JAMA

abdinurali92@gmail.com

Home country: Somalia

Working language(s): English, French, Arabic, Somali

M.Sc. thesis:

Assessing the Institutional Setups and the Impacts of Shared Responsibilities in Poor Water Services : A Case Study of Garowe, Somalia

Supervisor: Khaldoun A Mourad
Senior Researcher

Profile:

Abdinur Ali Jama received Bachelor of water resources from Mekelle University and irrigation management and M.SC degree in Water Policy form Pan African University Institute of Water and Energy Sciences. He received international courses and fellowship from Germany and Netherlands. He is very much interested to work in the field of water development.

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