

Curriculum Vitae-Ms.Olive Niyomubyezi

Nyarugenge, Kigali-Rwanda

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PERSONAL PROFILE

Name: Ms. Olive NIYOMUBYEZI

Date of Birth and Place: 15th May, 1988 – Gisagara District – Rwanda

Nationality: Rwandese

Marital Status: Single

EDUCATION

Higher Education Degree:

2008-2013: MSc. in Software Engineering, Annamalai University, Republic of India (Five Years Integrated P.G Degree Course)

Current Training:

Starting date: May 2015

Ending date: March 2020

Qualification: Doctoral Study of Geobiosphere Science with specialization in Geographical Information Science

Topic: Multi-objective Optimization techniques for Resources Allocation problems in Disaster Management

University: Lund University

Supervisors: Ali Mansourian, PhD.; Prof.Petter Pilesjö, PhD.; Jean Pierre Bizimana, PhD.

EMPLOYMENT

Current Position:

February 2015: Assistant Researcher, Centre for Geographic Information Systems and Remote Sensing (CGIS), CST/University of Rwanda

Previous Position:

February 2014 – January 2015: Lecturer in ICT Department, Integrated Polytechnic Regional Center (IPRC-South)

September 2013 – March 2014: Assistant Lecturer in the Faculty of Science and Technology, Catholic University of Rwanda

CURRENT RESEARCH

The ongoing research for PhD thesis is aiming to investigate on evacuation planning for Urban Emergency Management. The main focus is to improve the efficiency of the GIS-based Multi-criteria Decision Analysis (GIS-MODA) in order to support the process of spatial decision making for preparedness and response to the natural disasters in urban areas. In this study, different methodology from Evolutionary algorithms and Swarm Intelligence algorithms are used for integrating GIS and MODA to improve evacuation models. The research study is a flooding part of the city of Kigali, Rwanda. The expected results will contribute to the science community, to the government and non-government institutions in charge of humanitarian aid and disaster management affairs and to the Rwandan community in general.

PEDAGOGIC EXPERIENCE

a. Course Taught at ICT Diploma level :

- i. Web Programming and Technology, Integrated Polytechnic Regional Center (IPRC-South)
- ii. Database System , Integrated Polytechnic Regional Center (IPRC-South)

b. Course Taught at Undergraduate level:

- i. Operating System and Computer Architecture, Catholic University of Rwanda
- ii. Software Engineering and Project Management, Catholic University of Rwanda
- iii. Graphic and Multimedia, Catholic University of Rwanda
- iv. Object Oriented programming using C++ and Application, Catholic University of Rwanda

c. Courses Taught at Postgraduate level:

- i. Introduction to GIS , level (MSc), Department of Biology, Lund University

QUALIFICATIONS

Languages Spoken: Kinyarwanda, English and French

Computer skills/programming languages: C, C++, JAVA programming, HTML, C#, VB.net, ASP.net, python 2&3

Platforms: J2EE, Oracle 8, 9i, 11g, Visual studio Microsoft .net, ArcGIS

REFERENCES

1. Dr. Gaspard Rwanyiziri: Director of Centre for Geographic Information Systems and Remote Sensing (CGIS), University of Rwanda. Telephone number: +250788681438
2. Prof.Petter Pilesjö: Professor at Centre for Geographical Information Systems (GIS Centre), Lund University, Sweden. Telephone number: +46 46 222 96 54
3. Twagirayezu Athanase: Director Manager of E.CO.S.M, Huye Telephone number:+250788567552