






PERSONAL INFORMATION



Befekadu Debebe Mengesha

 7, via Cordero di Pamparato, 10126 Turin (Italy)
 (+39)3381372144  +390110904226
 befekadudeb@gmail.com, befekadu.mengesha@polito.it
 Skype befekadudebebe

Sex Male | Date of birth 29/10/1986 | Nationality Ethiopian

PERSONAL STATEMENT

I have done my BSc degree in Electrical Engineering (4 years duration) with distinction, I also procure my MSc degree in Telecommunication Engineering with 110/110.

I have carried out my master thesis at "Istituto superiore Mario Boella"(ISMB) Photonics lab in collaboration with Politecnico Di Torino under supervision of Prof. Roberto Guadino, focusing on physical layer downstream transmission of Passive Optical Networks Using Orthogonal Frequency division Multiplexing scheme.

I am currently doing my PhD in the field of Fiber optics Communication Engineering, "Innovative radio over fiber technologies for front-hauling" and Application of Advanced DSP techniques to future evolution of optical transport system at Politecnico di Torino.

WORK EXPERIENCE

08/07/2009–27/08/2013

Electrical engineer

Ethiopian Electric Power corporation
1233 Addis Ababa (Ethiopia)
www.eepco.com

- Project Manager when the manager is not present
- Substation design and construction
- Supervisor and commissioning of the SCADA systems of high voltage substations
- Design of substation to substation communication system
- Testing and commission of fiber optics communication equipments

Business or sector Construction and utility

14/10/2014–30/01/2015

Teaching Assistance

Polytechnic University of Turin
Corso Duca degli Abruzzi, 24, 10129 Turin (Italy)
www.polito.it

- Helping students in class exercise

Business or sector Education

EDUCATION AND TRAINING

15/12/2015–Present

PhD candidate

Politecnico di Torino, Torino (Italy)

Working with Optical Communication (OptCom) research group (Polito), in the field of Advanced signal Processing for next generation optical networks and its experimental demonstration including:

- Aggregation and de-aggregation of LTE and 5G wireless system for front-hauling transport on optical access networks
- Application of advanced DSP techniques to future evolution of optical transport systems

30/10/2013–23/10/2015

Masters of Science (MSc) in Telecommunication Engineering

Polytechnic University of Turin
 Corso Duca degli Abruzzi, 24, 10129 Turin (Italy)
www.polito.it

-Wireless and Optical communications, Advanced optical communication, stochastic process, signal processing and multimedia, system programming, satellite navigation, network modeling theory and simulation, Information theory and codec, Telecommunication laboratory, cryptography, devices for optical communications, projects and laboratory for communication systems and advanced coding.
 Final grade 110/110.

30/11/2004–08/07/2008

Bachelor of Science(Bsc) in Electrical Engineering

Hawassa Universty, Hawassa (Ethiopia)

Communication systems I & II, Electrical machines I & II, Applied Mathematics I-III, Modern physics, Applied Electronics I & II , Computational methods, wireless communications, Electrical Power I & II, Electromagnetic field I & II, control systems , signal and system analysis, etc .

PERSONAL SKILLS

Mother tongue(s) Amharic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Italian	B1	B1	B1	A2	B1
tigrigna	A2	A2	B1	A2	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

Good communication skill as my experience project site coordinator with foreign companiles.
 Good communication skill as my experience learning with international students

Organisational / managerial skills

I HAVE GOOD EXPERIENCE IN MANAGING AND LEADING PROJECTS

leadership (have been working as Project site coordinator)

Job-related skills

Optical communication components characterization such as Laser, modulator, driver, receiver (APD, PIN), EDFA, power meter, wavelength meter, etc.....

Fiber splicing

OpSim (optical simulator), PSpice, Autocad ,PSim,,SCADA system configuration, Power Systems control, Electrical Electronics Engineering design, Test and Commissioning of Fiber optic communication Equipment, Project Engineering management.

Internal and outdoor electrical equipment installation and design High voltage switchgear assembly Certificate

Certificate of professional competency class "D"
A+ Computer Maintenance and Networking

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Good command office(MS office)

Linux

Computer networking

Programming skill

Java, C#, C, C++, MatLab, Visual basic, C#

Database

MySQL server,MS Access

Driving licence BE

ADDITIONAL INFORMATION

References

Gaudino Roberto

Prof. Associate +39 0110904172/4172 (DET)

roberto.gaudino@polito.it

Department of Electronics and Telecommunications (DET)

CURRI VITTORIO

Associate Professor (L.240) +39 0110904178/4178 (DET)

vittorio.curri@polito.it

Department of Electronics and Telecommunications (DET)