

TEACHING EXPERIENCE	Aalto University, ComNet Department, Finland	Jun 2014 - present
	Teaching Assistance: <ul style="list-style-type: none"> Internet Traffic Measurements and Analysis 2015/16 Protocol Design 2015 Bahir Dar University, Institute of Technology, Ethiopia Sep 10 2010 – August 27, 2011 Assistant Lecturer <ul style="list-style-type: none"> Taught full credit hour courses for bachelor students: (courses: Communication and Computer Networking; Fundamentals of Programming with C++; Fundamentals of Database system With SQL) University of Gondar, Ethiopia Sep 23, 2008– Sep 9, 2010 Graduate Assistant then promoted to Assistant Lecturer <ul style="list-style-type: none"> Taught full credit hour courses for bachelor students: (Courses: Data Structure and Algorithm; Fundamentals of programming with C++; Software Engineering; Object Oriented programming with Java) <ul style="list-style-type: none"> Research and Publication committee member Department Assembly Member Graduate Students Project Coordinator 	
INDUSTRY EXPERIENCE	Ethiopian Telecommunication Corporation (Ethio Telecom), Ethiopia Jul 16, 2007 to Sep 16, 2008 Junior Programmer as intern student <ul style="list-style-type: none"> Developed an Online Domain Name Registration System to Ethiopian Telecom. Worked with team of 5 members. 	
CONFERENCE PUBLICATION	<ol style="list-style-type: none"> A.S. Asrese, E. Walelgne, V. Bajpai, A. Lutu, O. Alay, J. Ott. “Measuring Web Quality of Experience in Cellular Networks.” in Proc. of the 2019 Passive Active Measurement Conference. March 2019. Puerto Varas, Chile. (To appear) K Apajalahti, E Walelgne, J Manner, E Hyvönen “Correlation-Based Feature Mapping of Crowdsourced LTE Data” <i>IEEE International Symposium on Personal, Indoor and Mobile Radio Communications</i> Ermias Andargie Walelgne, Setälä Kim, Vaibhav Bajpai, Stefan Neumeier, Jukka M J Manner and Jörg Ott: “Factors Affecting Performance of Web Flows in Cellular Networks” <i>IFIP Networking</i> 2018 Ermias A .Walelgne, Jukka Manner , Vaibhav Bajpai and Jörg Ott: “Analyzing Throughput and Stability in Cellular Networks.” <i>NOMS</i> 2018 Jörg Ott, Ljubica Karkkainen, Ermias A. Walelgne, Ari Keränen, Esa Hyytiä, Jussi Kangasharju: “On the sensitivity of geo-based content sharing to location errors.” <i>WONS</i> 2017: 25-32 	
POSTER ABSTRACT PUBLICATION	<ol style="list-style-type: none"> Measuring Web Latency in Cellular Networks Alemnew Sheferaw Asrese, Ermias Walelgne, Andra Lutu, Ozgu Alay, Jörg Ott <i>INFOCOM</i> 2018 	
THESIS	<ol style="list-style-type: none"> Master thesis: Time Series Similarity Query Answering Using iSAX on MapReduces. University of Trento, Italy. March 2014. Bachelor Thesis: City Residents’ Information Management System, July 7 2008, Hawassa University, Ethiopia 	

POSTERS

1. “Using Crowdsourcing Data for Adaptive Video Streaming in Cellular Network“
Munich Internet Research Retreat, MIR3 - 2017, 29/30 Nov 2017, Raitenhaslach, Germany
2. “Analyzing the Performance and Stability of Cellular Networks“ **ACM IMC 2017**, November 1-3, London, UK, Ermias Andargie Walelgne (Aalto University), Jukka Manner (Aalto University), Vaibhav Bajpai and Jörg Ott (Technical University of Munich)
3. “ Ping on the Move“ Stefan Neumeier **ACM IMC 2017**, November 1-3, London, UK, (Technische Hochschule Ingolstadt), Ermias Walelgne (Aalto University), Vaibhav Bajpai and Jörg Ott (TU Munich), Christian Facchi (Technische Hochschule Ingolstadt)
4. “Measuring and Predicting The Performance of Cellular Links From Mobile Users Device“ **Munich Internet Research Retreat, MIR3** 2017, 23/24 May 2017, Raitenhaslach, Germany
5. “Understanding the Characteristics of Cellular Network and Its Performance“; METRICS Industrial Workshop 9th and 10th March 2016, Ericsson, Finland
6. “Understanding Link Stability and Performance in Mobile Network“; **5th International PhD school in Traffic Monitoring and Analysis**, April 21-22, 2015, Barcelona Spain

INVITED TALK

1. “Why browsing the Internet from mobile phone is so slow? “ - **At Elisa Research Team** - 15th June 2017, Helsinki, Finland

TALKS

1. “Factors Affecting Performance of Web Flows in Cellular Networks“; **RIPE 77** - Amsterdam, the Netherlands from 15-19 October 2018.
2. “On Characterising and Prediction of Cellular Network Performance “; **Connected Mobility Doctoral Seminar** - October 12, 2017 at TUM Munich, Frauenchiemsee, Germany
3. “Factors Affecting DNS and TCP Latency in Cellular Networks“; **Connected Mobility Doctoral Seminar** - April 20, 2017 at TUM Munich, Germany
4. Characteristics and Performance of Cellular Network; PhD Seminar, October 7-9, 2015; Innsbruck, Austria

PROJECTS

- **METRICS:** Measurement for Europe: Training and Research for Internet Communications Science. **FP7-PEOPLE** Contract no. **607728**. 2014 - 2017
 - Worked on WP 1 and contributed for deliverable 1.1, 1.2, 1.3.

SERVICES

- External Reviewer:
 - IEEE Wireless Communications and Networking Conference (WCNC) 2018
 - ACM SIGCOMM Computer Communication Review (CCR) Artefacts Review 2017

	<ul style="list-style-type: none"> Shadow PC: <ul style="list-style-type: none"> TMA - Network Traffic Measurement and Analysis Conference - Vienna, Austria 26-29 Jun 2018 ACM IMC - Internet Measurement Conference 2017 - London, UK 1-3 Nov 2017
AWARDS	<ul style="list-style-type: none"> IMC student travel grant for CoNEXT conference, Heidelberg, Germany. 2015 ACM student travel grant for CoNEXT conference, Heidelberg, Germany. 2015 Marie-Curie Initial Training Network grant for three years of PhD study. 2014 Opera Universitaria Scholarship for Masters in Computer Science, University of Trento, Italy, 2011. Academic Award for the 2006/7 Top Performing Male Students, the top two male performing student of Natural Science faculty with CGPA 3.84/4.0 2007, Graduated with Great Distinction, and the 2nd top scorer from the whole faculty students. Hawassa University, Ethiopia July 10, 2010.
TRAINING AND CERTIFICATES	<ul style="list-style-type: none"> Strategic Management Seminar, IE Business schoolIE University, Madrid Spain Jun 2016 ITC0002, Cyber Security Summer School, Tallinn University of Technology, Tallinn Estonia Jun 2015 CISCO Certified Network Association (CCNA) Exploration, University of Gondar, Ethiopia: Jul 2009
TECHNICAL SKILLS	<ul style="list-style-type: none"> Programming languages: Java, Python, Android, C, C++, PHP, JavaScript, Shell Data analysis, Machine Learning and Big Data: R, python, Matlab, Hadoop, MapReduce. Database: MySQL, SQL, MongoDB Networking tools: Mininet, Wireshark Operating Systems: OS X, Linux, Windows
LANGUAGES	<ul style="list-style-type: none"> English fluent Amharic native Italy basic Finnish basic
REFERENCES	<p>Jukka Manner Professor, Department of Communications and Networking Aalto University, Finland jukka.manner@aalto.fi</p> <p>Jörg Ott Professor, Chair of Connected Mobility, Department of Informatics Technische Universität München, Germany ott@in.tum.de</p>

Vaibhav Bajpai
Postdoctoral Fellow, Chair of Connected Mobility, Department of Informatics
Technische Universität München, Germany
bajpaiv@in.tum.de