

## **Summary**

Dr. Gebremariam Assres is an Associate Professor in Computer Science at the Department of Technology, Kristiania University College, Norway. Prior to his current position, he worked as a 'Research Fellow' at the Department of Computer Science, Brunel University London, UK, where he worked under a Horizon 2020 project called NEWTON (2017-2019).

He also worked as an Assistant Professor at Aksum University (2009-2016), Lecturer at Mekelle University (2004-2009), and Graduate Assistant at Mekelle University (2000-2004) in Ethiopia. During this time, he taught various courses like programming fundamentals, data structures, algorithms, distributed systems, software engineering, artificial intelligence, data science, and mobile application development.

He received his B.Sc. and M.Sc. in Computer Science in 2000 and 2004, respectively; and Ph.D. in Information Technology (software engineering) in 2016 from Addis Ababa University, Ethiopia. He is also a Fellow of the Higher Education Academy, UK Professional Standards Framework, United Kingdom (2020).

He is a member of the MOTEL research group and collaborated with research groups in 5+ other academic and research institutions. He also collaborated with doctoral students in various thesis projects and supervised master's students. Overall, he has 18+ years teaching, and research experience in higher education institutions.

## **Research interests**

His research interest includes mobile computing, Internet of Things (IoT), Internet computing (Web services), software architectures, cyber security and secure computing, Mulsemmedia (HCI), and Data science (simulation).

## **Research collaborations**

He is member of MOTEL research group working with Tor-Morten Grønli and colleagues at Kristiania University College. He participates in collaborative research with George Ghinea at Department of Computer Science, Brunel University London, UK. He also collaborates in publications with faculty members, Department of Technology, Aksum University, Ethiopia.

Previously, he collaborated in research and publication projects with faculty members in various institutions (Kent University, Middlesex University, University of West London, Dublin City University, University of Bucharest, etc.). Additionally, he collaborated with three PhD students in theses projects in various disciplines including Mulsemmedia at Brunel University, UK.

## **Teaching**

He teaches both at the undergraduate and postgraduate levels. Security in Mobile Applications, Intelligent Systems, Mobile and Internet of Things, and Information Risk and Security are among the courses he teaches at Kristiania University College.

## **Supervision**

He supervised master's students in various topics including- integration of expert systems into medical diagnosis, improving the decision support capability of ERP systems in textile industry using Kaizen-based Framework, and integrating expert systems for diagnosis and rectification of yarn faults in textile and garment industries. Additionally, he supervised 10+ final year B.Sc. projects in various Computer Science topics.

## **Research projects**

His current project involvement includes- smart speakers and privacy, monitoring ADLs using ultra-wideband technologies, blockchain for sustainable development, automated climate monitoring system, language translation, and Mulsemedia.

## **Dissemination**

He publishes journal and conference papers, primarily in the IEEE and ACM outlets. He also presents intermediary research results in masters classes, seminars as well as social media. His publication areas include Web service, service-oriented architecture, Mulsemedia, software engineering, usability, cross-platform mobile applications, and e-learning. For details on publications please visit <http://sites.google.com/site/mesfinassres>.