

## Profile

Ebeid has received his PhD degree in Computer Science from the University of Verona, Italy with European Doctorate label in 2014. His PhD research was related to modeling and synthesis of the network in distributed embedded systems.

Ebeid is working as an Assistant Professor at Mærsk Mc-Kinney Møller Institutet, University of Southern Denmark and doing a research in designing a drone system that can operate in harsh environments (e.g., high EMI). Previously, he has been working as a postdoctoral researcher at Aarhus University, Denmark and was doing a research in smart grids.

Ebeid's areas of research interests are intelligent system design, networked embedded systems, drone technology, smart grids and IoT. Currently, he organizes a special session on System Design for Intelligent Systems at Digital System Design Conference (DSD). Ebeid has teaching experiences in HW/SW co-design, Internet of Things, Networked Embedded Systems, Software Engineering, Digital System Design, Hardware Programming, and Elements of Architecture and Operating Systems.

Currently, Ebeid is the leader of Innovation Fund Grand Solutions Drones4Energy project and Work Package leader of EU H2020 TeamPlay project. Previously, he has been involved in several ICT EU FP7 projects; SEMIAH, SmartHG, COMPLEX, and CONTRIX are some of them.

## Professional Experience

2019 - Now	Project Leader of Grand Solutions IFD Drones4Energy project.
2018 - Now	PI and Work package leader of H2020 TeamPlay project.
2017 - 2019	Project coordinator of SDU LightHouse Drones for Energy project.
2017	Assistant Professor at the University of Southern Denmark, Denmark.
2014 - 2016	Post doctoral researcher at Aarhus University, Denmark.
2011- 2014	Ph.D. fellow at Verona University, Italy.

## Teaching Experience

Since 2007, Ebeid has been teaching and assisting master's and bachelor's degree students in electronics, communication, and computer engineering field of study. He has co-supervised several Ph.D., master's, bachelor's thesis projects.

2019:	Robot Electronics
2019	System Design of Intelligent Collaborating Systems, Master degree, 5 ECTS
2017 - 2019	Expert in Teams (Southern Denmark University, Bachelor's degree, 10 ECTS)
2017	Programming of robots and other physical devices (Southern Denmark University, Master's degree, 5ECTS)
2016	Middleware and Communication Protocols for Dependable System (Aarhus University, Master's degree, 5 ECTS)
2015 - 2016	IP-based Wireless Communication and Internet of Things, (Aarhus University, Master degree, Teaching Assistant)
2012 - 2014	Software Engineering (Verona University, Master, Teaching Assistant)
2012 - 2014	Computer Architecture and Operating Systems (Verona University, Master, Teaching Assistant)
2011 - 2014	Networked Embedded Systems (Verona University, Master, Teaching Assistant)
2007 - 2010	Teaching Assistant in different courses in digital electronics and communication engineering bachelor degree program

## Professional memberships and other related functions

2017 - Now	IEEE Senior member
2014 - Now	Session organizer and member of Technical Program Committee at the Euromicro Conference on Digital System Design (DSD)
2011 - Now	Member of IEEE and IEEE ComSoc.

## Teaching and supervision

### System Design of Intelligent Collaborating Systems, (F20)

Emad Samuel Malki Ebeid  
07/02/2020 → 23/05/2020

**System Design of Intelligent Collaborating Systems, (F19)**

Emad Samuel Malki Ebeid  
04/02/2019 → 29/05/2020

**Robot Electronics, (E19)**

Emad Samuel Malki Ebeid  
05/09/2019 → 23/01/2020

**Programming of robots and other physical devices, (F17)**

Emad Samuel Malki Ebeid  
07/02/2017 → 31/05/2017

**Masters Thesis - 40 ECTS, (F19)**

Emad Samuel Malki Ebeid  
03/09/2018 → 30/06/2019

**Masters Thesis - 30 ECTS, (F19)**

Emad Samuel Malki Ebeid  
04/02/2019 → 30/06/2019

**Masters Thesis - 30 ECTS, (E19)**

Emad Samuel Malki Ebeid  
02/09/2019 → 24/01/2020

**Information technology in an automation context (F18)**

Emad Samuel Malki Ebeid  
05/02/2018 → 31/05/2018

**Experts in Teams, (E17)**

Emad Samuel Malki Ebeid  
04/09/2017 → 31/01/2018

**Experts in Team Innovation, (E18)**

Emad Samuel Malki Ebeid  
03/09/2018 → 31/01/2019

**Teaching Philosophy**

I believe the fundamental goal of teaching is to enhance the learning process. There are many different circumstances and contexts for learning. Although everyone is capable of learning, a student's desire to learn is a vital pre-condition to effectively mastering new concepts and skills. There are multiple learning styles: some students learn best in lecture atmospheres, some are motivated by discussion, and others absorb best when they read and reflect on what they have read. The classroom setting can encourage or inhibit learning depending on the dominant learning style of each student. However, the instructor creates the learning habits in which will be absorbed by the students. If the instructor does not show interest in the subject and a passion for learning, students are less likely to put forth the effort to learn in that class.

Therefore my mission, as a lecturer, is to create an atmosphere that fosters learning. One of the best ways which I have learnt during Teacher Training course to foster learning is to use new teaching strategies such as blended learning to have a more effective classes than purely face-to-face or purely online classes. Therefore, I treat subject matter as interconnected, emphasizing that everything students are learning fits together into a holistic understanding of the world,

from which they develop their personal world view. I believe this is best accomplished when I am thinking about a general research methodology.

## **Teacher training**

Teacher Training Programme at Centre for Teaching & Learning, Aarhus University, Denmark, 2016.