



Current Research

Cognitive Neuroscience Audio-Visual Computational Models for Robots

- Integrating current audio and visual attention models
- Building multi-model learning system for objects
- Include the motor commands

M.Sc.

Intelligent Systems and Robotics – University of Essex, UK (2019)

- Thesis: Toward Spatial awareness for Smart robots companions in Smart homes (S3)
 - Multi-model system for building an **internal model** for the environment
 - Multi-model growing landmark based **spatial memory** (growing and planning)

B.Eng.

Electrical Energy Engineering – Cairo University, Egypt (2017)

- Thesis: Building a full power and control systems for **smart electrical bike**
- Electrical and strategy team leader @ **Solar Car team**

Ph.D. Student (IIT) 1st y
Robotics, Brain, and Cognitive Science

omar.eldardeer@iit.it

/omareldardeer



Dibris

