

# CURRICULUM VITAE

## Maria Matheou

### Profile

Maria holds a B.Sc. in Architecture, 2009, a Diploma of Architect–Engineer, 2010, with honors of Excellence in Architectural Design and a Ph.D. in Architecture, 2014, all degrees from the University of Cyprus. Her Post Doctoral research at the Department of Architecture of the University of Cyprus focused on motion planning, simulation and experimental study of a kinetic hybrid structure.

Maria Matheou's research interests lie primarily in the areas of structural and architectural design, kinetic architecture, adaptive structures and envelopes, automation systems, design methods and digital tools. She is experienced in the area of Architectural Technology, Building Construction and Design. Current research focuses on an adaptive kinetic envelope to optimize daylight performance and kinetic behavior in relation to the users and needs.

### Academic Qualifications

Doctorate in Architecture, January 2011 – May 2014  
Faculty of Engineering, Department of Architecture, University of Cyprus

#### "Kinetic Hybrid Structures"

Diploma of Architect – Engineer, September 2009 – June 2010  
Faculty of Engineering, Department of Architecture, University of Cyprus

#### "Kinetic and Interactive Architecture"

B.Sc. in Architecture, September 2005 – June 2009  
Faculty of Engineering, Department of Architecture, University of Cyprus

### Academic Experience Research

Junior Professor, January 2020 – present  
Institute of Lightweight Structures and Conceptual Design, Faculty of Civil and Environmental Design, University of Stuttgart, Stuttgart, Germany

Research Associate, OPTARCH-Optimization Driven Architectural Design of Structures, H2020-MSCA-RISE-2015, 11.2017 – 10.2019

McGill University, Montreal, Canada, 17.03.2018 – 14.08.2018  
[Reconfiguration sequence optimization of a bar-linkage structure]

National Technical University of Athens, Athens, Greece, 03.11.2017 – 15.03.2018  
[Daylight performance analysis of an adaptive shading system integrated on a multi-storey office building]

Post-Doctoral Degree in Architecture, September 2015 – September 2017  
Faculty of Engineering, Department of Architecture, University of Cyprus  
"Kinematic Analysis and Experimental Testing of an Articulated Structure with Two Actuation Methods of Reconfiguration"

**Teaching**

Adaptive Façade Skins for daylight performance and visual comfort [B.Sc. and M.Sc.]  
Institute of Lightweight Structures and Conceptual Design, University of Stuttgart

Adaptive Envelope Structure to optimize daylight conditions for the indoor environment,  
[M.Sc.] Advisory Member, University of Salerno, May – September 2020  
Institute of Lightweight Structures and Conceptual Design, University of Stuttgart

ARH 301.1: Architectural Design VI – Architectural Technology [B.Sc.]  
[Spring 19, Spring 17, Spring 16, Spring 15, Spring 14, Spring 13, Spring 12]  
Department of Architecture, University of Cyprus

ARH 331.1: Building Technology [B.Sc.]  
[Spring 19, Spring 16, Spring 15, Spring 14, Spring 13, Spring 12, Spring 11]  
Department of Architecture, University of Cyprus

ARH 503: Diploma Thesis, 3<sup>rd</sup> Advisor  
[Year 2012 – 2018]  
Department of Architecture, University of Cyprus

**Work Experience**

Architect Engineer, 2010 – 2020  
Architectural Designs and Competitions

**Academic Activities**

Evaluator in H2020, Information and Communication Technologies Call 3, Topic ICT-  
21-2016: Support Technology transfer to the creative industries, European  
Commission, EUROFORUM Building, Luxembourg, 13.06 – 17.06.2016

**Prizes**

Scholarship for her contributions and activities in the Department of Architecture of the  
University of Cyprus, 2013

Prize of the Lambros and Thalia David Award for Excellence in Architectural Design  
2010 for the Diploma Thesis: "Kinetic and Interactive Architecture"