

CURRICULUM VITAE

PERSONAL DETAILS

Name: **Eftychios Christoforou**
Place of birth: Nicosia, Cyprus
Citizenship: Cypriot
Languages: Greek (native), English (fluent), Spanish (fluent)
Position: Assistant Professor
Dept. of Mechanical and Manufacturing Engineering
University of Cyprus
Website: www.robolab.ucy.ac.cy (UCY Robotics Lab)

SCIENTIFIC & RESEARCH INTERESTS

- Robot analysis and control
- Robotic manipulation and applications
- Flexible-link robots (nonlinear model-based and adaptive control)
- Medical robotics & computer-assisted interventions
- MR-compatible interventional robotics
- Reconfigurable/adaptive Architecture
- Mechanism synthesis and control
- Experimental robotics: design, prototyping, testing
- Robotics and Autonomous systems
- Smart camera networks / machine vision
- Telemedicine and telerobotics
- Nursing and elderly-care robotics
- Educational robotics
- Industrial robotics applications
- Continuum robots

EDUCATION & ACADEMIC QUALIFICATIONS

- 2000 **Ph.D. in Mechanical Engineering (Robotics/Control)**
University of Canterbury
Department of Mechanical Engineering
Christchurch, New Zealand
- 1995 **Postgraduate Diploma in Management (Masters)**
Mediterranean Institute of Management (MIM)
Nicosia, Cyprus
- 1994 **Diploma in Mechanical Engineering**
National Technical University of Athens
Department of Mechanical Engineering
Athens, Greece
- 1987 **High School Certificate**
A' Kykkos Gymnasium / Lyceum
Nicosia, Cyprus

POSITIONS HELD

- 2019 - today **Assistant Professor**
University of Cyprus
Dept. of Mechanical and Manufacturing Engineering
Nicosia, Cyprus
- Lab Director**
UCY Robotics Lab (Research Laboratory)
Lab website: www.robotlab.ucy.ac.cy
- 2023 - today **Research Fellow**
CYENS Center of Excellence
Nicosia, Cyprus
- Associated with Multidisciplinary Research Groups:
- VIDEOMICS (Adaptive Video Processing, Analytics and
 Communications for Real-Time Applications)
- HealthXR (Smart eHealth and mHealth)
- LEAR (Learning Agents and Robots)
- 2007 - 2019 **Visiting Assistant Professor / Special Scientist (Teaching Staff)**
Dept. of Electrical and Computer Engineering &
Dept. of Mechanical and Manufacturing Engineering
University of Cyprus
Nicosia, Cyprus
- 2015 - 2019 **Senior Research Engineer – Robotics and Mechatronics**
CyRIC – Cyprus Research and Innovation Center Ltd
Mechanical Engineering and Prototyping Division
Nicosia, Cyprus
- 2009 - 2015 **Research Associate**
University of Cyprus
KIOS Research Center for Intelligent Systems and Networks
Nicosia, Cyprus
- 2004 - 2007 **Adjunct Professor**
Washington University in St. Louis
Dept. of Electrical and Systems Engineering &
Dept. of Mechanical and Aerospace Engineering
St. Louis, Missouri, USA
- 2004 - 2007 **Research Associate**
Washington University in St. Louis
School of Medicine - Mallinckrodt Institute of Radiology &
School of Eng. And Applied Science - Eng. Biomechanics Group
St. Louis, Missouri, USA
- 2000 - 2004 **Process Engineer – Dynamic Simulation & Control (industrial)**
Hyperion Systems Engineering Ltd, Nicosia, Cyprus
- 1994 - 1996 **Mechanical Engineer (industrial)**
El.&D. Christou Electromechanical Services Ltd, Nicosia, Cyprus

PROFESSIONAL INDUSTRIAL / ENGINEERING EXPERIENCE

- 2015 - 2019 **CyRIC – Cyprus Research and Innovation Center, Cyprus**
Senior Research Engineer (Robotics & Mechatronics - Division of Mechanical Engineering and Prototyping). Worked on several EU funded projects: proposals, research & development, reporting. Focused on system design/analysis and prototyping, control hardware and software.
Website: <http://www.cyric.eu>
- 2000 - 2004 **Hyperion Systems Engineering Ltd, Cyprus**
Project Engineer/Leader on several large-scale, international projects focusing on the dynamic simulation of complex process plants (refining, petrochemical plants). Acquired extensive experience on process dynamics and control systems.
Website: <http://www.hyperionsystems.net>
- 1994 – 1996 **El.&D. Christou Electromechanical Services Ltd, Cyprus**
Mechanical Engineer on various large-scale building services projects. Gained experience on heating ventilation and air-conditioning (HVAC) systems, project management, and site supervision.

SCIENTIFIC & PROFESSIONAL SOCIETIES MEMBERSHIP

- **Senior Member** - Institute of Electrical and Electronic Engineers (IEEE)
- IEEE Robotics and Automation Society
- Scientific and Technical Chamber of Cyprus
- Cyprus Computer Society
- University of Canterbury Alumni Association (New Zealand)

TEACHING EXPERIENCE

University of Cyprus (2007-today)

(MME: Dept. of Mechanical and Manufacturing Engineering

ECE: Department of Electrical and Computer Engineering

√: Current courses)

- *Introduction to Computers for Engineers*, MME 111
- *Statics*, MME 125 √
- *Introduction to Modeling and Analysis of Dynamic Systems*, MME 221
- *Dynamics*, MME 225 √
- *Control Systems*, MME 327 √
- *Machine Elements*, MME 343
- *Introduction to Robotics*, MME 420 √
- *Dynamics of Machines and Mechanisms*, MME 422 (changed to MME427)
- *Analysis and Control of Robotic and Autonomous Systems*, MME 525 (postgrad) √
- *Introduction to Technology*, ECE 100
- *Introduction to Technology Laboratory*, ECE 101
- *Engineering Analysis and Modeling*, ECE 105
- *Dynamic Systems and Control*, ECE 326
- *Control Systems Laboratory*, ECE 327

- *Introduction to Robotics*, ECE 425
- *Automation Laboratory*, ECE 428

Frederick University (2011) / Frederick Inst. of Technology (2003-2004), Cyprus
Department of Mechanical Engineering

- *Automation and Control Systems*, AMEM 326
- *Mechatronics*, AMEM 413
- *Numerical Methods for Engineers*, AMAT 314 (FIT)
- *Control Systems*, AMEM 325 (FIT)

Cyprus University of Technology (2010)

Department of Mechanical Engineering and Materials Science and Engineering

- *Mechanical Vibrations*, MEM 428

Washington University in St. Louis, Missouri, USA (2004-2007)

(MAE: Department of Mechanical and Aerospace Engineering

ESE: Department of Electrical and Systems Engineering)

- *Dynamic Response of Physical Systems (Mechanical Vibrations)*, MAE 417
- *Introduction to Systems Science and Engineering*, ESE 251
- *Systems Engineering Laboratory*, ESE 448
- *Linear Algebra*, ESE 309

University of Canterbury, New Zealand (1997-1999)

Department of Mechanical Engineering

- *Control Engineering Laboratory*, ENME 333

STUDENT AND RESEARCHERS ADVISING

• **Postdoctoral Research Advising**

1. S. Gkatzogiannis. “*Investigating the Dynamic Behavior of Reconfigurable Buildings by means of Numerical Analyses and Experimental Investigations*”, Oct. 2023 – Sept. 2025 (Funding: University of Cyprus / European Union H2020 – MSCA COFUND, ONISILOS, Co-Advisor).

• **Ph.D. Projects – University of Cyprus (Advisor: 2, Co-Advisor: 4)**

(MME: Dept. of Mechanical and Manufacturing Engineering

ARCH: Department of Architecture)

1. E. Vourkos, “*Mobile manipulators control and Nursing robot applications*”, MME (current).
2. S. Nicolaides, “*Heterogeneous Multi-Agent Robotic Systems*”, MME (current).
3. N. Georgiou, “*Deployable and Reconfigurable Linkage Structures*”, ARCH, Expected completion: Dec. 2023. (Co-Advisor)
4. P. Konatzii, “*Sustainable design and automated construction of customized building blocks through a flexible mold*”. ARCH, 2020. (Co-Advisor)

5. G. Tryfonos, "*Robotic manufacturing of architectural structures*". ARCH, 2018. (Co-Advisor)
6. M. Matheou, "*Kinetic hybrid structures*". ARCH, 2014. (Co-Advisor)

- **Masters Projects – University of Cyprus (Thesis Advisor: 12, Co-Advisor: 1)**

(MME: Dept. of Mechanical and Manufacturing Engineering)

ECE: Dept. of Electrical and Computer Engineering)

1. A. Ioannou. "*Swarm robotics for military applications*", MME (current).
2. A. Andreou. "*Development of a robotic system for cleaning photovoltaic panels*", MME (current).
3. A. Hadjianastasi, "*Robotic assistive technologies for elderly care and ageing-in-place*", MME (current).
4. E. Vourkos, "*Control of a security surveillance mobile robot*", MME, June 2023.
5. M. Mavros, "*Development and testing of a robotic system for logistics applications*", MME, January 2023.
6. A. Loizou, "*Design, manufacture and control of mobile robot Pygmalion*", MME, June 2022.
7. L. Georgiou, "*Design implementation and experimental testing of a robotic mechanism for applications in adaptive architecture*", MME, June 2022.
8. K. Petrou, "*Design, motion planning and control of a modular, reconfigurable building structure*", MME - M.Sc. in Energy Technologies and Sustainable Design, June 2021.
9. C. Theokli, "*Reconfigurable Rigid-Bar Linkage Structures Based on a Dual Effective Crank–Slider Approach*", ARCH - M.Sc. in Energy Technologies and Sustainable Design, June 2021. (Co-Advisor)
10. S. Arnos, "*Control of responsive architecture structures*", ECE, June 2013.
11. C. Sophocleous, "*Design and construction of a concentric tubes robotic system for minimally invasive interventions*", MME, June 2012.
12. E. Andreou, "*Design of a magnetic resonance compatible robotic system for image-guided interventions*". MME, May 2011.
13. C. Keroglou, "*Development of robotic systems for the performance of minimally-invasive interventions under magnetic resonance imaging guidance*". ECE, June 2010.

- **Diploma Thesis Projects – University of Cyprus (Thesis Advisor)**

(MME: Dept. of Mechanical and Manufacturing Engineering)

ECE: Dept. of Electrical and Computer Engineering

ARCH: Dept. of Architecture)

1. A. Kourris. "*Development of a robotics system for photovoltaics cleaning*", MME, (Current).
2. S. Chrysanthou. "*Development of an automated moving target device for training in shooting*", MME, (current).
3. N. Pampouras. "*Development of a kite-robot system for aerial photography and meteorological applications*", MME, (current).
4. A. Ioannou. "*Development of a mobile robots platform for research*", MME, 2023.
5. E. Yiallourous. "*Design and Control of a tennis training device*", MME, 2023.
6. A. Hadjianastasi. "*Robotic systems for elderly care*", MME, 2022.
7. J.-L. Vargas Lopez. "*Development and testing of a mobile robots platform for research*", University of Cyprus / Texas A&M internship program, Summer 2022.
8. I. Kanari. "*Robotically-assisted ultrasound examinations*", MME, 2022.
9. C. Michael. "*Military applications of robotics*", MME, 2022.
10. M. Papanicolaou. "*Development of an autonomous tennis training device*", MME, 2022.

11. C. Kkounti. "*Brain interfaces and robot control*", MME, 2022.
12. A. Aristidou. "*Control of a semi-autonomous mobile robot for firefighting applications*", MME, 2021.
13. P. Koiliaris. "*Development of a robotic gripper for agricultural applications*", MME, 2021.
14. V. Kaplanis. "*Robotic vision system and control through a mobile phone application*", MME, 2021.
15. L. Georgiou. "*Design, manufacture and experimental testing of the control system for a robotic mechanism with applications in adaptive architecture*", MME, 2020.
16. A. Asad. "*Development of a mobile robotic system for experimental studies – Motion of wheeled robots with embedded control systems*", MME, 2020.
17. P. Kapetanios & A. Solomonides. "*Design, construction and testing of an automated pills dispenser device for robotic applications in nursing and elderly care*", MME, 2020.
18. L. Eleftheriou. "*Development and testing of an end-effector for image-guided telerobotic interventions*", ECE, 2018.
19. D. Sourianos. "*Development and testing of a prosthetic hand*", ECE, 2017.
20. N. Pirikki, "*Bending-Active Tensile Building Envelope*", ARCH, 2014 (co-advisor).
21. G. Tryfonos, "*Air adaptive shelter*", Univ. of Cyprus, ARCH, 2012 (co-advisor).
22. M. Gabriel, "*Kinetic energy architectural systems*", ARCH, 2011 (co-advisor).
23. A. Constantinou, "*Experimental study on structurally-flexible gantry robots*", Univ. of Cyprus, ECE, 2009.
24. G. Papakyrianiou, "*MR-compatibility of interventional robotic systems*", ECE, 2009.
25. G. Giannaki, "*Autonomous robotic system for search and rescue missions – Exploration and mapping inside a labyrinth*", ECE, 2009.
26. A. Akatziotis, "*Development of a robotic system for search and rescue operations*", ECE, 2009.

- **Diploma Thesis Projects – Washington University in St. Louis (Thesis Advisor)**

(MAE: Dept. of Mechanical and Aerospace Engineering

ESE: Dept. of Electrical and Systems Engineering)

27. S. Atay, "*Development of a facility for testing of mechanical properties of biomaterials*". Postgraduate independent study project. MAE, 2006.
28. M. Frericks, "*Product packaging and palletizing using a Rhino XR-4 robot and a specially designed platform*". ESE, 2005.
29. S.D. Lau, "*Experimental study of robotic assembly and force control tasks*". ESE, 2005.
30. J. Hall, "*Breathing motion compensation for medical robots*". ESE, 2005.
31. A. Lee, "*Motion planning and control of a magnetic resonance compatible surgical robot*". ESE, 2004.

RESEARCH FUNDING & PARTICIPATION IN FUNDED RESEARCH PROJECTS

1. Project Title: "*Robotization of the manufacturing process of a multi-layered composite skateboard deck (COBITT)*"
 Role: UCY Principal Investigator & Technology Supplier
 Sponsor: DIH² – Robotics (EU Horizon 2020)
 Coordination: Capsule Skateboards Ltd
 Budget: €238,500
 Dates: Feb. 2022 – Feb. 2023
2. Project Title: "*Adaptive Urban Canopy Photovoltaics (AUCPH)*"
 Role: Research Team Member
 Sponsor: University of Cyprus

- Coordination: University of Cyprus – Department of Architecture
 Budget: €60,000
 Dates: Sep. 2023 – Sep. 2025
3. Project Title: *“Adaptive Building Envelope Photovoltaics (ABEPH)”*
 Role: Research Team Member
 Sponsor: A.G. Leventis Foundation Research Committee
 Coordination: University of Cyprus – Department of Architecture
 Budget: €20,000
 Dates: Mar. 2022 – Mar. 2024
4. Project Title: *“Portable and Foldable Robotic Wheelchair Ramp with no Installation Footprint, Disrupting the Universal Accessibility of Wheelchair Users and People with Impaired Mobility (RAMBA)”*
 Role: Project Technical Manager, UCY Principal Investigator
 Sponsor: Research and Innovation Foundation, Cyprus - RESTART 2016-2020 Programmes, Project #: SEED/0719/0144
 Coordination: Givotech Ltd - Cyprus
 Budget: €580,220 (24 months)
 Dates: June 2020 – May 2023
5. Project Title: *“Secure and Privacy-preserving Indoor Robotics for Healthcare Environments (RESPECT)”*
 Role: Researcher
 Sponsor: European Union - H2020-MSCA-RISE-2020: Project #: 101007673
 Marie Skłodowska-Curie Actions
 Research and Innovation Staff Exchange (RISE)
 Coordination: University of Orleans - France
 Budget: € 1 094 800 (36 months)
 Dates: May 2021 – Apr. 2024
6. Project Title: *“Safe, Efficient and Integrated Indoor Robotic Fleet for Logistic Applications in Healthcare and Commercial Spaces (ENDORSE)”*
 Role: Researcher
 Sponsor: European Union - H2020-MSCA-RISE-2018: Project #: 823887
 Marie Skłodowska-Curie Actions
 Research and Innovation Staff Exchange (RISE)
 Coordination: University of Orleans - France
 Budget: €1.12M (36 months + extension)
 Dates: Oct. 2018 – Sep. 2022
7. Project Title: *“Automated Multistage Filtration Prototype Device for On-line Liquid Analyzers (On-Fisy)”*
 Role: Research Engineer (design, prototyping, testing, reporting)
 Sponsor: Cyprus Research Promotion Foundation (Republic of Cyprus and European Regional Development Fund) – Cyprus
 CONCEPT/0617/0004
 Coordination: CyRIC – Cyprus Research and Innovation Center
 Budget: €25,000 (6 months)
 Dates: Jul. 2018 – Jan. 2019
8. Project Title: *“Swinostics: Swine Diseases Field Diagnostics Toolbox”*
 Role: Research Engineer (design, prototyping, testing, reporting)
 Sponsor: European Union – H2020-SFS-2017-1

- Coordination: CyRIC – Cyprus Research and Innovation Center
 Budget: €3.45M
 Dates: Jan. 2017 – Apr. 2021
9. Project Title: *“Marine environmental in situ assessment and monitoring tool box (MariaBox)”*
 Role: Research Engineer (design, prototyping, testing, reporting)
 Sponsor: European Union - FP7-OCEAN-2013
 Coordination: CyRIC – Cyprus Research and Innovation Center
 Budget: €5.1M
 Dates: Feb. 2014 – Feb. 2018
10. Project Title: *“Floor washing robot for professional users (FloBot)”*
 Role: Research Engineer (design, prototyping, testing, reporting)
 Sponsor: European Union - H2020-ICT-2014-1
 Coordination: CyRIC – Cyprus Research and Innovation Center
 Budget: €4.2M
 Dates: Jan. 2015 – Jan. 2018
11. Project Title: *“Innovative portable traction ramp from smart composite materials for automatic ascending and descending of wheelchair users (RampCo)”*
 Role: Research Engineer (design, prototyping, testing, reporting)
 Sponsor: European Union - FP7-SME-2013
 Coordination: CyRIC – Cyprus Research and Innovation Center
 Budget: €1.46M
 Dates: Jan. 2014 – Jan. 2016
12. Project Title: *“In Vivo Measurement of Brain Biomechanics”*
 Role: Subcontractor (\$12,000 – 1 year 2014/15)
 Sponsor: NIH/NINDS (R01 NS055951) – USA
 Coordination: Washington University in St. Louis – School of Engineering and Applied Science
 Budget: \$1,355,783 (2007-2012); \$2,255,327 (2013-2017)
 Dates: Jul. 2007 – Nov. 2017
13. Project Title: *“FAULT-ADAPTIVE: Fault-Adaptive Monitoring and Control of Complex Distributed Dynamical Systems”*
 Role: Researcher (2014 - 2015)
 Sponsor: European Research Council, ERC Advanced Grant
 Coordination: University of Cyprus - KIOS Research Center for Intelligent Systems and Networks
 Budget: €2,035,000
 Dates: Apr. 2012 – Mar. 2017
14. Project Title: *“Development of a Flexible and Adaptable Spatial Structural System”*
 Role: Researcher
 Sponsor: Departmental Research Grant (Dept. of Architecture – UCY)
 Coordination: University of Cyprus - Dept. of Architecture
 Budget: €4,000
 Dates: Feb. 2014 – Jun. 2014
15. Project title: *“Development and testing of a robotic system for minimally-invasive interventions with real-time MRI guidance.”*

- Sponsor: Cyprus Research Promotion Foundation (Republic of Cyprus and European Regional Development Fund) – Cyprus
 Grant: TECHNOLOGIA/MHXAN/0308(BIE)/05
 Role: **Principal Investigator - Coordinator**
 Coordination: University of Cyprus – KIOS Research Center for Intelligent Systems and Networks
 Budget: €155,000 (2 years)
 Dates: Jan. 2009 – Mar. 2011
16. Project Title: *“Head Injury Biomechanics: Model Validation Tasks”*
 Role: Subcontractor (\$12,000 – 1 year 2005/06)
 Sponsor: DOT/NHTSA (via Southern Consortium on Injury Biomechanics, U. Alabama at Birmingham) – USA
 Coordination: Washington University in St. Louis – School of Engineering and Applied Science
 Budget: \$159,426
 Dates: Oct. 2003 – Apr. 2007
17. Project Title: *“Methods for MR Guided Interventions in Coronary Vessels”*
 Role: Researcher (2004 - 2007)
 Sponsor: National Institutes of Health (NIH)-NHLBI (R01HL067924)
 Coordination: Washington University in St. Louis – School of Medicine
 Budget: \$1,521,011
 Dates: Dec. 2001 – Dec. 2007

OTHER ACTIVITIES – ACHIEVEMENTS

- **Academic Visiting Positions and Scholarships**

- Visiting Academic at *PRISME Robotics Laboratory* – University of Orleans – Bourges, France, Jan. 2016
- Visiting Assistant Professor – University of Cyprus – Dept. of Electrical and Computer Engineering (Acad. Year 2007-2008, Fall 2008-2009, Spring 2012-2013, Fall 2013-2014, Fall 2014-2015)
- Visiting Assistant Professor – University of Cyprus – Dept. of Mechanical and Manufacturing Engineering (Spring 2008-2009, Fall 2009-2010, Fall 2011-2012)
- Full scholarship award for doctoral studies by the Government of New Zealand, Commonwealth Scholarship and Fellowship Plan, 1996-2000
- Scholarship award for undergraduate studies by the Government of Cyprus, 1989

- **Editorial Duties**

- Editorial Board Member. International Journal of Medical Robotics and Computer Assisted Surgery (Wiley).

- **Reviewer (International Journals)**

- Robotics and Autonomous Systems (Elsevier)
- ASME Transactions on Dynamic Systems Measurement and Control
- Int. Journal of Medical Robotics and Computer Assisted Surgery (Wiley)
- Journal of Medical Robotics Research (World Scientific)
- Journal of Robotic Systems / Journal of Field Robotics (Wiley)
- IEEE/ASME Transactions on Mechatronics

- Mechanism and Machine Theory (Elsevier)
 - IEEE Control Systems Technology
 - Medical Physics
 - Int. Journal of Advanced Robotic Systems (SAGE)
 - Engineering (Chinese Academy of Engineering, Elsevier)
 - Strojniški vestnik - Journal of Mechanical Engineering
- **Reviewer (International Conferences)**
 - IEEE Int. Conf. on Robotics and Automation (ICRA)
 - IEEE/RSJ International Conf. on Intelligent Robots and Systems (IROS)
 - IEEE Int. Conf. on Biomedical Robotics and Biomechatronics (BioRob)
 - IEEE Int. Conf. on Bioinformatics and Bioengineering (BIBE)
 - IEEE EMBS Int. Conf. on Biomedical & Health Informatics (BHI)
 - IEEE/ASME Int. Conference on Advanced Intelligent Mechatronics (AIM).
 - Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON)
 - IEEE Mediterranean Electrotechnical Conference (MELECON)
 - Robotics in Education (RiE)
 - Modeling, Estimation and Control Conference (MECC)
- **Conferences/Workshops Organization**
 - Proceedings Editor (together with R. Balogh and D. Obdržálek). Int. Conference on Robotics in Education (RiE 2023), 19-21 Apr. 2023, Limassol, Cyprus. Springer - Lecture Notes in Networks and Systems (work-in-progress).
 - Local Organizing Committee & International Programme Committee. 14th Int. Conference on Robotics in Education (RiE 2023), 19-21 Apr. 2023, Limassol, Cyprus.
 - International Programme Committee. 14th Int. Conference on Robotics in Education (RiE 2022), 19-21 Apr. 2023, Limassol, Cyprus.
 - International Programme Committee. 13th Int. Conference on Robotics in Education (RiE 2022), 27-29 Apr. 2022, Bratislava, Slovakia.
 - International Programme Committee. 12th Int. Conference on Robotics in Education (RiE 2021), 28-30 Apr. 2021, Bratislava, Slovakia (virtual event).
 - Associate Editor. Modeling, Estimation and Control Conference (MECC 2021), 24-27 Oct. 2021, Austin, Texas.
 - Technical Program Committee. 1st IEEE Intl. Workshop on ALgorithms for Indoor Architectures and Systems (ALIAS 2019), collocated with the 20th IEEE Intl. Conference on Mobile Data Management (MDM 2019), Hong Kong, 10 June 2019.
 - Organizing Committee Member. XIV Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON 2016). Program Committee Chair (Track: Biomechanics, Robotics and Rehabilitation), Paphos, Cyprus, 31 Mar. – 2 Apr. 2016.
- **Educational and Public Outreach**
 - UCY “Science Talks” Podcast Series Interview, Episode: Robotics.
 - UCY “Science Talks – Kids Edition” Podcast Series Interview, Episode: Robotics.
 - EU project eHealth Eurocampus (Co-funded by the Erasmus+ Programme of the EU, Dates: Sep 2016 / Aug 2019, Total funding: €430,000). Worked on the development of eModule: “Robotics for eHealth”. Responsible for the teaching material on “Assistive robotics. Technology to help elder and handicapped people. Robots for mobility. Robots at home.”

- Member of Scientific Committee of ROBOTEX Cyprus (annual educational robotics competition), Cyprus Computer Society, Nicosia, Cyprus (2017-today).
- **Academic Committees Service (University of Cyprus)**
 - International Relations Committee (Senate Committee)
Representative of Faculty of Engineering (01/09/2019 – today)
 - Faculty of Engineering Board Member (School of Engineering Committee)
Representative of Dept. of Mechanical and Manufacturing Engineering (2021-2023)
 - Member of Dept. of Mechanical and Manufacturing Engineering Council (2019 -).
 - Practicum Committee / Student Industrial Placement Program 2BeConnected
Academic Coordinator, Dept. of Mechanical and Manufacturing Engineering (2022 -)
 - Departmental International Relations Coordinator, Dept. of Mechanical and Manufacturing Engineering (2020-2023)
 - Independent Evaluator (Mechanical Engineering Specialization)
Cyprus Council for the Recognition of Higher Education Qualifications (2022 -)
- **Military Service**
 - Sergeant, Signal Corps, National Guard, Cyprus (1987-1989)
 - Reservist, National Guard, Cyprus (1989 - Today)

SCIENTIFIC PUBLICATIONS

• Theses

1. Ph.D. Thesis: E.G. Christoforou. The control of flexible-link robots carrying large payloads: from theory to experiments. University of Canterbury, Department of Mechanical Engineering, Christchurch, New Zealand, 2000.
2. Postgraduate Diploma (Masters) Thesis: E.G. Christoforou. Health and safety of workers at electromechanical equipment installation projects. Mediterranean Institute of Management (MIM), Nicosia, Cyprus, 1995.
3. Diploma Thesis: E.G. Christoforou. Optimization of the expansion and hydrophobization processes of perlite. National Technical University of Athens (NTUA), Department of Mechanical Engineering, Athens, Greece, 1994.

• Edited Books

1. R. Balogh, D. Obdržálek, E. Christoforou (Editors). Robotics in Education - Proc. of the 14th International Conference on Robotics in Education - RiE2023. Springer - Lecture Notes in Networks and Systems, volume 747, 2023.

• Refereed Journal Articles

1. M.C. Phocas, E.G. Christoforou, M. Matheou, N. Georgiou. Kinematics Approach and Experimental Verification of a Class of Deployable and Reconfigurable Linkage Structures. ASCE Journal of Structural Engineering, 2023 (Accepted).
2. E.G. Christoforou, M.C. Phocas, A. Müller, L. Georgiou. Versatile reconfigurable mechanisms framework for application of robotics in architecture. Journal of Intelligent and Robotic Systems (Springer), 108, 14, 2023.

3. M. Matheou, M.C. Phocas, E.G. Christoforou, A. Mueller. New Perspectives in Architecture Through Transformable Structures. A Simulation Study. *Frontiers in Built Environment (Structural Sensing, Control and Asset Management)*, 9, 2023.
4. M.C. Phocas, N. Georgiou, E.G. Christoforou. A class of actuated deployable and reconfigurable multilink structures. *Advances in Computational Design (Techno Press)*, 7(3), 189-210, 2022.
5. P. Konatzii, M. Matheou, E.G. Christoforou, M.C. Phocas. Versatile Reconfiguration Approach Applied to Articulated Linkage Structures. *ASCE Journal of Architectural Engineering (American Society of Civil Engineers)*, 27(4), 2021.
6. M.C. Phocas, E.G. Christoforou, C. Theokli, K. Petrou. Reconfigurable linkage structures and photovoltaics integration. *Journal of Building Engineering (Elsevier)*, 43, 103201, 2021.
7. J.D. Velazco-Garcia, N.V. Navkar, S. Balakrishnan, G. Younes, J. Abi-Nahed, K. Al-Rumaihi, A. Darweesh, M.S.M. Elakkad, A. Al-Ansari, E.G. Christoforou, M. Karkoub, E.L. Leiss, P. Tsiamyrtzis, N.V. Tsekos. Evaluation of how Users Interface with Holographic Augmented Reality Surgical Scenes: Interactive Planning MRI-Guided Prostate Biopsies. *The International Journal of Medical Robotics and Computer Assisted Surgery (Wiley)*, 17(5), 1-13, 2021.
8. E.G. Christoforou, S. Avgousti, N. Ramdani, C. Novales, A.S. Panayides. The Upcoming Role for Nursing and Assistive Robotics: Opportunities and Challenges Ahead, *Frontiers in Digital Health*, 2, 2020.
9. A.K. Knutsen, A.D. Gomez, M. Gangollia, W.-T. Wang, D. Chan, Y.-C. Lud, E. Christoforou, J.L. Prince, P.V. Bayly, J.A. Butman, D.L. Pham. In vivo estimates of axonal stretch and 3D brain deformation during mild head impact. *Brain Multiphysics (Elsevier)*, 1, 100015, 2020.
10. J.D. Velazco-Garcia, S. Balakrishnan, J. Abi-Nahed, K. Al-Rumaihi, A. Darweesh, A. Al-Ansari, E.G. Christoforou, M. Karkoub, E.L. Leiss, P., N.V. Tsekos, N.V. Navkar. End-User Evaluation of an Interventional Planning Software for Transrectal MR-Guided Prostate Biopsy. *The International Journal of Medical Robotics and Computer Assisted Surgery (Wiley)*, 17(1), 1-12, 2020.
11. M.C. Phocas, E.G. Christoforou, P. Dimitriou. Kinematics and control approach for deployable and reconfigurable rigid bar linkage structures. *Engineering Structures (Elsevier)*, 208 (110310), 2020.
12. E.G. Christoforou, M.C. Phocas, M. Matheou, A. Müller. Experimental implementation of the 'effective 4-bar method' on a reconfigurable articulated structure. *Structures (Elsevier)*, 20, 157-165, 2019.
13. M.C. Phocas, M. Matheou, A. Müller, E.G. Christoforou. Reconfigurable modular bar structure. *Journal of the International Association for Shell and Spatial Structures*, 60(1), 78-89, 2019.
14. J.D.V. Garcia, N.V. Navkar, D. Gui, C.M.M. Mojica, E.G. Christoforou, A. Ozcan, J. Abinahed, A. Al-Ansari, A. Webb, I. Seimenis, N.V. Tsekos. A platform integrating

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