

Dimitrios Kanoulas

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Current Position

UKRI Future Leader Fellow (Round 5)

Associate Professor at the University College London (UCL), Computer Science.

Research Interests

My research aims to apply perception and learning in robotics. I am developing new perception and planning algorithms for articulated robots with high number of Degrees-of-Freedom, that locomote and manipulate in uncertain natural environments. This includes real-time methods (geometric or learning-based) for sensing, mapping, self/environment, and interaction modeling. My work focuses on robotic perception for affordances modeling and localization, including statistical and learning models of uncertainty. Tasks such as articulated robot locomotion on unstructured terrain and complex tool manipulation are in my interest. Self-supervised, deep, reinforcement, imitation, and meta learning, as well as sim2real and robot teleoperation, belong to my recently explored areas of interest and are connected to the ongoing funded projects. Experimental justification of theory on real robots plays a central role in my research and academic philosophy. To date, I have developed perception and learning techniques on: a mini-bipedal (UCL RPBP), a half-size (IIT COMAN), and two full-size (IIT WALK-MAN, IIT COMAN+) humanoid robots, as well as on several (IIT CENTAURO, UCL A1, UCL Go1, UCL B1, UCL Zeta, UCL ANYmal, UCL Spot, UCL Jueying) quadrupedal robots and three mobile manipulators (IIT MOCA, UCL Summit-XLS, UCL AgileX), facing all the big challenges of real-world scenarios.

My work has been published in prestigious international conferences and journals including RAS, AuRo, RAM, Frontiers, Springer STAR, JFR, IJHR, CoRL, ICRA, IROS, Humanoids, ICARCV, and ISER, for which I have also organized 10 workshops related to robot perception and locomotion. I have received the Best Interactive Paper Award at Humanoids 2017, Best Student Paper Finalist at ICARCV 2018, the Marie Skłodowska-Curie Actions Seal of Excellence 2018, and the Best Associate Editor Award at ICRA 2022. I have a large set of collaborations with several researchers on robotic SLAM, locomotion, and manipulation, such as UCL-MechEng (UK), IIT (Italy), FORTH (Greece), UoI (Greece), DLR (Germany), LAAS-CNRS (France), Univ. of Osaka (Japan), Univ. of Leeds and Oxford (UK), to name some.

Since Sept. 2019, I am teaching an MSc course at UCL-CS (“COMP0129: Robotic Sensing, Manipulation, and Interaction”, 60 students). The course introduces high-level robot planning and perception methods to students, with practical labs. In the past, I have served as a Teaching Assistant for 6 undergraduate/graduate courses (Northeastern University, Boston, USA), which gave me an important view on how to design, organize, and run courses in a Computer Science department. I currently advise 2 PostDoc’s, and 8 PhD students, while I have successfully advised 2 PhD student, 13 MSc, 6 BSc/MEng students, and 5 Research Interns.

Education

Ph.D. in Computer Science [September 2010 - August 2014]

College of Computer and Information Science, Northeastern University, Boston, USA.

Area: 3D Visual Perception, Legged Robot Locomotion

Thesis: Curved Surface Patches for Rough Terrain Perception.

Advisor: Marsette Vona (currently at NASA JPL)

M.S. in Computer Science [September 2008 - May 2010]

College of Computer and Information Science, Northeastern University, Boston, USA.

Area: Algorithmic Game Theory

Thesis: Cache me if you can: Capacitated Selfish Replication in Networks

Advisors: Rajmohan Rajaraman, Ravi Sundaram

GPA: 4.0/4.0

Diploma in Computer Science (5y MEng with thesis) [September 2003 - May 2008]

Computer Engineering and Informatics, University of Patras, Patras, Greece.

Area: Algorithmic Game Theory

Thesis: Approximate Nash Equilibrium in Bi-Matrices Games

Advisors: Paul G. Spirakis, Haralampos Tsaknakis

GPA: 8.41/10 (ranked 5 of 120)

Professional Experience

Associate Professor in Robotics and Computation [September 2022 – now]

Autonomous System Group, Department of Computer Science, University College London (UCL), UK

Projects: EPSRC CIA Bio-Robotics (2022-2023), UKRI FLF Round 5 RoboHike (2022-2026), EPSRC NIA LR-NAMO (2022-2024)

Research: robot perception and learning for robots with limbs (e.g., mobile, legged robots)

Lecturer in Robotics and Computation [September 2019 – August 2022]

Autonomous System Group, Department of Computer Science, University College London (UCL), UK

Projects: EPSRC CIA Bio-Robotics (2022-2023), UKRI FLF Round 5 RoboHike (2022-2026), EPSRC NIA LR-NAMO (2022-2024), DFA TeleVisit (2022-2023), UCL GEF RECYCLE (2020-2021), DASA/Dstl TeLeMan (2021), UCL-Osaka TeleGrasp (2020-2021), EU H2020 TERRINet (2020-2021)

Research: robot perception and learning for robots with limbs (e.g., mobile, legged robots)

Scientific Advisor [March 2021 – now]

OpenArms, London, UK

Task: advising on topics that concerns robotic manipulation using reinforcement learning

Scientific Advisor [February 2020 – February 2021]

ZOA Robotics, London, UK

Task: advising on topics that concerns quadrupedal locomotion control, planning, and perception

Visiting Researcher [January 2020 – now]

Humanoid & Human Centred Mechatronics (HHCM), Istituto Italiano di Tecnologia (IIT), Italy

Task: advising a PhD student on planning and perception for animaloid loco-manipulation tasks

Senior Postdoctoral Researcher [September 2016 – August 2019]

Humanoid & Human Centred Mechatronics (HHCM), Istituto Italiano di Tecnologia (IIT), Italy

Advisors: Nikos Tsagarakis, Darwin Caldwell

Projects: EU H2020 WALK- MAN (2013–2017), CENTAURO (2015–2019), Pholus (2015–2019), CogIMon (2015–2019)

Research: 1) footstep affordances localization and path planning for locomotion in rough 3D terrain, 2) state estimation for mapping and robot localization, using exteroception and proprioception

Junior Postdoctoral Researcher [September 2014 – August 2016]

Advanced Robotics (ADVR) Research Line, Istituto Italiano di Tecnologia (IIT), Italy

Advisors: Nikos Tsagarakis, Darwin Caldwell

Projects: EU H2020 WALK- MAN (2013–2017), CENTAURO (2015–2019), Pholus (2015–2019), CogIMon (2015–2019)

Research: 1) exteroceptive and proprioceptive tool/grasp affordances localization for manipulation, 2) detecting whole-body affordances for balance and fall detection/protection/recovery

Perception Team Leader for the DARPA Robotics Challenge (DRC) 2015 [September 2014 – June 2015]

Advanced Robotics (ADVR) Research Line, Istituto Italiano di Tecnologia (IIT), Italy

Advisors: Nikos Tsagarakis, Darwin Caldwell

Tasks: 1) perception team leader for the IIT WALK-MAN DRC team (finals in June 2015 at the Fairplex in Pomona, California), 2) robotic perception developer, 3) media and communication for the DCR WALK-MAN team

Ph.D. Student (University Scholarship) [September 2010 – August 2014]

College of Computer and Information Science (CCIS), Northeastern University, Boston, USA.

Advisor: Marsette Vona (currently at NASA JPL)

Project: NSF Career Award (2012-2014)

Research: modeling, sensing, and mapping contact surfaces, for bipedal locomotion on rough 3D terrain

Research Internship [May 2012 – August 2012]

e-Motion Research Group, INRIA, France

Advisors: Christian Laugier, Alexandros Makris

Research: 3D features extraction for vehicle recognition, using probabilistic machine learning

Ph.D. Student (University Scholarship) [September 2008 – August 2010]

College of Computer and Information Science (CCIS), Northeastern University, Boston, USA

Advisors: Rajmohan Rajaraman, Ravi Sundaram

Research: game theoretic modeling of distributed selfish replication in networks

Research Student [September 2007 – August 2008]

Computer Engineering and Informatics Department (CEID), University of Patras, Patras, Greece.

Advisors: Paul G. Spirakis, Haralampos Tsaknakis

Research: theoretical and experimental research on approximate Nash equilibrium

Grants

University College London (UCL) [September 2019 - now]

1. UCL Architecture Research Fund (ARF)

Title: “Interactive Multi-Robot Assembly!”

PI: Pradeep Devadass (UCL), Dimitrios Kanoulas (UCL), Dominik Johannes Zisch (UCL)

co-I: Samuel Turner-Baldwin (UCL), Ben Spong (UCL), Alberto Fernandez Gonzalez (UCL)

Advisors: Fiona Zisch (UCL), Peter Scully (UCL)

Funding: £9,989

Dates: 09/2022 - 06/2023

2. EPSRC CIA

Title: “Bio-Robots: Crawl, Jump, and Slither!”

PI: Ifat Yasin (UCL)

co-I: Steve Hailes (UCL), Dimitrios Kanoulas (UCL)

Programme Manager: Rae Harbird (UCL)

Relationship Manager: Emma Bryant (UCL)

Public Engagement Advisor: Ben Littlefield (UCL)

Funding: £249,689.80

Dates: 07/2022 - 06/2024

3. UKRI Future Leaders Fellowship, Round 5

Title: “RoboHike: Autonomous Quadrupedal Robot Navigation and Hiking in Challenging Rough Terrains”

PI: Dimitrios Kanoulas (UCL)

Funding: £1,812,339.00

Dates: 01/2022 - 12/2025

Mentors: Prof. Andrew Davison (ICL), Prof. Marc Deisenroth (UCL)

4. EPSRC New Investigator Award

Title: “LR-NAMO: Learning Robot Navigation Among Movable Objects”

PI: Dimitrios Kanoulas (UCL)

Funding: £396,473.94

Dates: 01/2022 - 12/2024

Mentors: Prof. Simon Julier (UCL), Prof. Marc Deisenroth (UCL)

5. **UCL Grand Challenges Doctoral Students**
Title: “Employing quadrupedal robots as an innovative solution for last-mile logistics”
PI: Mr Johnson and Mrs Stamatopoulou (UCL)
Supervisors: Dimitrios Kanoulas (UCL), Manos Chaniotakis (UCL)
Funding: £500.00
Dates: 01/2022 - 07/2022
6. **UCL Cities Partnerships Programme**
Title: “Machine learning for robotic grasping and manipulation of everyday objects”
PI: Yasemin Bekiroglu (UCL)
co-I: Florian Pokorny (KTH), Dimitrios Kanoulas (UCL), Marc Deisenroth (UCL)
Funding: £5,000.00
Dates: 01/2022 - 07/2022
7. **UCL Innovation Enterprise**
Title: “UCL Robotics Innovation Network”
PI: Sarah Spurgeon (UCL) co-I: Rob Thompson (UCL), Dimitrios Kanoulas (UCL), Helge Wurdemann (UCL), Stuart Robson (UCL)
Funding: £29,978.00
Dates: 01/2022 - 03/2023
8. **Daiwa Foundation Award**
Title: “TeleVisit: Virtual Visiting Universities via Teleoperation and Telexistence on Mobile Robots”
PI: Dimitrios Kanoulas (UCL)
Funding: £7,250.00
Dates: 12/2021 - 12/2022
9. **UCL Researcher-led Initiatives Award 2021**
Title: “First UCL Robotics Institute Workshop”
PI: Dimitrios Kanoulas (UCL)
co-I: Sarah Spurgeon (UCL), Yuanchang Liu (UCL), Helge Wurdemann (UCL)
Funding: £500.00
Dates: 07/2021
10. **UCL Global Engagement Funds 2020/21 & UCL-CS Strategic Research Funds**
Title: “RECYCLE: Garbage Recycle Collection with a Mobile Manipulation Robot”
PI: Dimitrios Kanoulas (UCL)
co-I: Arash Ajoudani (IIT)
Funding: £7,335.20 (UCL: £7,335.20)
Dates: 02/2021 - 02/2022
11. **DASA/Dstl Telexistence**
Title: “TeLeMan: Teleoperative Legged Manipulator for Explosive Ordnance Disposal”
PI: Chengxu Zhou (Univ. of Leeds)
co-I: Dimitrios Kanoulas (UCL), Robert Richardson (Univ. of Leeds)
Funding: £99,578.44 (UCL: £37,360.00)
Dates: 02/2021 - 05/2021
12. **UCL-Osaka University Strategic Partner Funds & UCL-CS Strategic Research Funds**
Title: “TeleGrasp: Using Human IMU-based Teleoperation and Robot Vision to Create a Semi-Autonomous System”
PI: Dimitrios Kanoulas (UCL)

Co-I: Weiwei Wan (Osaka Univ.)
Funding: £10,000.00 (UCL: £7,059.60)
Dates: 11/2020 - 10/2021

13. **EPSRC – Doctoral Training Partnership (DTP)**

Title: PhD studentship
PI: Dimitrios Kanoulas (UCL)
co-I: Helge Wurdemann (UCL)
Funding: £99,774.62
Dates: 09/2020 - 09/2024

14. **UK-RAS Strategic Task Group**

Title: “Legged Robotics and Locomotion Task Group”
PI: Maurice Fallon (Univ. of Oxford)
co-I: Dimitrios Kanoulas (UCL), Ioannis Havoutis (Univ. of Oxford), Chengxu Zhou (Univ. of Leeds), Zhibin Li (Univ. of Edinburgh), Michael Mistry (Univ. of Edinburgh)
Funding: £23,000.00
Dates: 02/2020 - 02/2021

15. **EU H2020 TERRINet Project**

Title: “Visual-based Box Manipulation, using the Pyrene Humanoid Robot”
PI: Dimitrios Kanoulas (UCL)
Funding: 6-months support and access to LAAS-CNRS lab and Pyrene Humanoid Robot
Dates: 12/2019 - 05/2020

Istituto Italiano di Tecnologia (IIT) [September 2014 – August 2019]

1. **EU H2020 WALK-MAN**

Title: “Whole-body Adaptive Locomotion and Manipulation”
Coordinator: Nikos Tsagarakis (IIT)
PI: Nikos Tsagarakis, Giorgio Metta, Lorenzo Natale, Darwin G. Caldwell (IIT)
Role (Dimitrios Kanoulas): Work-Package and Media Leader
Funding: €7,407,398.00 (IIT: €2,131,433)
Dates: 09/2013 – 08/2017

2. **EU H2020 CogIMon**

Title: “Cognitive Interaction in Motion”
Coordinator: Jochen Steil (TUBS)
PI: Nikos Tsagarakis, Darwin Caldwell (IIT)
Role (Dimitrios Kanoulas): Work-Package Contributor
Funding: €6,974,131.75 (IIT: €1,120,000.00)
Dates: 02/2015 – 05/2019

3. **EU H2020 CENTAURO**

Title: “Robust Mobility and Dexterous Manipulation in Disaster Response by Fullbody Telepresence in a Centaur-like Robot”
Coordinator: Sven Behnke (Uni-Bonn)
PI: Nikos Tsagarakis, Darwin Caldwell (IIT)
Role (Dimitrios Kanoulas): Work-Package Contributor
Funding: €4,124,915.00 (IIT: €724,125.00)
Dates: 04/2015 – 09/2018

4. **Defense Ministries of Italy and Singapore Pholus**

Title: “Centaur-like Robot for High-Risk Military Operations and Development”

Coordinator: Sven Behnke (Uni-Bonn)
PI: Nikos Tsagarakis, Darwin Caldwell (IIT)
Role (Dimitrios Kanoulas): Work-Package Leader
Funding: confidential
Dates: 2016 – 2019

Northeastern University (NEU) [September 2008 – August 2014]

1. **NSF Career Award**

Title: “Reliable Contact Under Uncertainty: Integrating 3D Perception and Compliance”
PI: Marsette Vona (NEU)
Role (Dimitrios Kanoulas): co-author/contributor
Funding: \$499,602.00
Dates: 02/2012 – 03/2015

Theses

1. **Curved Surface Patches for Rough Terrain Perception,**

Ph.D. thesis, College of Computer and Information Science, Northeastern University, 2014.
Advisor: Marsette Vona.

2. **Approximate Nash Equilibrium: Conducting Theoretical and Experimental Research on Optimal Algorithms that can Result in Better Approximate Nash Equilibria in Bi-Matrices Games,**

Bachelor’s Thesis, University of Patras, Computer Engineering and Informatics Department, 2008.
Advisors: Paul Spirakis and Haralampos Tsaknakis.

Book Chapters & Editorials

1. **Editorial: Towards Real-World Deployment of Legged Robots,**

Navinda Kottege, Dimitrios Kanoulas, and Luis Sentis
 In the *Frontiers in Robotics and AI (Frontiers 2021)*.
[\[official link\]](#)

2. **WALK-MAN Humanoid Platform,**

Nikos G. Tsagarakis et al.
 In the Springer The DARPA Robotics Challenge Finals: Humanoid Robots To The Rescue (2018). (Springer Tracts in Advanced Robotics, vol 121. Springer, Cham)
[\[official link\]](#)

3. **Experimental Evaluation of a Perceptual Pipeline for Hierarchical Affordance Extraction,**

Peter Kaiser, Markus Grotz, Eren E. Aksoy, **Dimitrios Kanoulas**, Nikos G. Tsagarakis, and Tamim Asfour.
 In the Springer 2016 International Symposium on Experimental Robotics (ISER) (2017). (Springer Proceedings in Advanced Robotics, vol 1. Springer, Cham)
[\[official link\]](#)

Journal Articles

1. **Reconfigurable and Agile Legged-Wheeled Robot Navigation in Cluttered Environments with Movable Obstacles**,
Vignesh Sushrutha Raghavan, **Dimitrios Kanoulas**, Darwin G. Caldwell, Nikos G. Tsagarakis.
IEEE (**Access 2021**).
2. **A Method for Autonomous Robotic Manipulation through Exploratory Interactions with Uncertain Environments**,
Pietro Balatti, **Dimitrios Kanoulas**, Nikos G. Tsagarakis, Arash Ajoudani.
Springer Autonomous Robots (**AURO 2020**).
3. **Human Inspired Fall Prediction Method for Humanoid Robots**,
Rajesh Subburaman, **Dimitrios Kanoulas**, Luca Muratore, Nikos Tsagarakis, Jinoh Lee.
Elsevier Robotics and Autonomous Systems (**RAS 2019**).
4. **Cache me if you can: Capacitated Selfish Replication in Networks**,
Ragavendran Gopalakrishnan, **Dimitrios Kanoulas***, Naga Naresh Karuturi, C. Pandu Rangan, Rajmohan Rajaraman, and Ravi Sundaram,
**corresponding author*
Springer Theory of Computing Systems (**TOCS 2019**).
5. **Curved Patch Mapping and Tracking for Irregular Terrain Modeling: *Application to Bipedal Robot Foot Placement***,
Dimitrios Kanoulas, Nikos Tsagarakis and Marsette Vona.
Elsevier Robotics and Autonomous Systems (**RAS 2019**).
6. **Humanoids at Work: New Breakthroughs in Robotic Design**,
Nikos G. Tsagarakis, et al.
Front-page in the IEEE Robotics and Automation Society (**RAM 2018**).
7. **Center-of-Mass-Based Grasp Pose Adaptation Using 3D Range and Force/Torque Sensing**,
Dimitrios Kanoulas, Jinoh Lee, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the World Scientific International Journal of Humanoid Robotics (**IJHR 2018**).
8. **Humanoids at Work: The WALK-MAN Robot in a Postearthquake Scenario**,
Francesca Negrello, Alessandro Settimi, Danilo Caporale, Gianluca Lentini, Mattia Poggiani,
Dimitrios Kanoulas, Luca Muratore, Emanuele Luberto, Gaspare Santaera, Luca Ciarleglio,
Lucia Pallottino, Darwin G. Caldwell, Nikos Tsagarakis, Antonio Bicchi, Manolo Garabini,
Manuel Giuseppe Catalano.
In the IEEE Robotics and Automation Society (**RAM 2018**).
9. **WALK-MAN : A High Performance Humanoid Platform for Realistic Environments**,
Nikos G. Tsagarakis, Darwin G. Caldwell, F. Negrello, W. Choi, L. Baccelliere, VG. Loc, J. Noorden, L. Muratore, A. Margan, A. Cardellino, L. Natale, E. Mingo Hoffman, H. Dallali, N. Kashiri, J. Malzahn, J. Lee, P. Kryczka, **D. Kanoulas**, M. Garabini, M. Catalano, M. Ferrati, V. Varricchio, L. Pallottino, C. Pavan, A. Bicchi, A. Settimi, A. Rocchi, A. Ajoudani
(Developed the full perception part for the DRC'15.)
In the Journal of Field Robotics (**JFR 2017**).
10. **Visual Grasp Affordance Localization in Point Clouds using Curved Contact Patches**,
Dimitrios Kanoulas, Jinoh Lee, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the World Scientific International Journal of Humanoid Robotics (**IJHR 2017**).

11. **The Walk-Man Robot Software Architecture**,
Mirko Ferrati, Alessandro Settimi, Luca Muratore, Alessio Rocchi, Enrico Mingo Hoffman, Alberto Cardellino, **Dimitrios Kanoulas**, Corrado Pavan, Nikos G. Tsagarakis, Lorenzo Natale, and Lucia Pallottino
In the *Frontiers in Robotics and AI* (**Frontiers 2016**).

Conference Publications

1. **Dynamic Camera Usage in Mobile Teleoperation System for Buzz Wire Task**,
Christopher Peers, **Dimitrios Kanoulas**, Bilal Kaddouh, Robert Richardson, and Chengxu Zhou.
The 5th UK Robotics and Autonomous Systems Conference (UKRAS22)
2. **Analysis of VR Usability in Mobile Manipulator Teleoperation**,
Yuhui Wan, Christopher Peers, **Dimitrios Kanoulas** and Chengxu Zhou.
The 5th UK Robotics and Autonomous Systems Conference (UKRAS22)
3. **Navigation Among Movable Obstacles with Object Localization using Photorealistic Simulation**,
Kirsty Ellis, Henry Zhang, Danail Stoyanov, **Dimitrios Kanoulas**.
In the 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2022**).
4. **Autonomous Mobile 3D Printing of Large-Scale Trajectories**,
Julius Sustarevas, **Dimitrios Kanoulas**, Simon Julier.
In the 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2022**).
5. **Robust Contact State Estimation in Humanoid Walking Gaits**,
Stylianos Piperakis, Michael Maravgakis, **Dimitrios Kanoulas**, Panos Trahanias.
In the 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2022**).
6. **You Can even Annotate Text with Voice: Transcription-only-Supervised Text Spotting**,
Jingqun Tang, Su Qiao, Benlei Cui, Yuhang Ma, Sheng Zhang, **Dimitrios Kanoulas**.
In the 2022 ACM Multimedia 2022 (oral presentation) (**ACMMM 2022**).
7. **Improved Reinforcement Learning Coordinated Control of a Mobile Manipulator using Joint Clamping**,
Denis Hadjivelichkov, Kostas Vlachos, **Dimitrios Kanoulas**.
(**arXiv 2021**)
8. **Fully Self-Supervised Class Awareness in Dense Object Descriptors**,
Denis Hadjivelichkov, **Dimitrios Kanoulas**.
In the Conference on Robot Learning (**CoRL 2021**).
9. **Task-Consistent Path Planning for Mobile 3D Printing**,
Julius Sustarevas, **Dimitrios Kanoulas**, Simon Julier.
In the 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2021**).

10. **A Caging Inspired Gripper using Flexible Fingers and a Movable Palm**,
Luke Beddow, Helge Wurdemann, and **Dimitrios Kanoulas**.
In the 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2021**).
11. **ShorelineNet: An Efficient Deep Learning Approach for Shoreline Semantic Segmentation for Unmanned Surface Vehicles**,
Linghong Yao, **Dimitrios Kanoulas**, Ze Ji, Yuanchang Liu.
In the 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2021**).
12. **Autonomous Real Time Architecture for High Performance Mobile Robots**,
Antonios E. Gkikakis, **Dimitrios Kanoulas**, and Roy Featherstone.
In the 17th IEEE International Conference on Automation Science and Engineering (**CASE 2021**).
13. **Garbage Collection and Sorting with a Mobile Manipulator using Deep Learning and Whole-Body Control**,
Jingyi Liu, Pietro Balatti, Kirsty Ellis, Denis Hadjivelichkov, Danaïl Stoyanov, Arash Ajoudani, and **Dimitrios Kanoulas**.
In the 20th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2020**).
14. **Agile Legged-Wheeled Reconfigurable Navigation Planner applied on the CEN-TAURO Robot**,
Vignesh Sushrutha Raghavan, **Dimitrios Kanoulas**, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the 2020 IEEE International Conference on Robotics and Automation (**ICRA 2020**).
15. **Terrain Segmentation and Roughness Estimation using RGB Data: Path Planning Application on the CENTAURO Robot**,
Vivekanandan Suryamurthy, Vignesh Sushrutha Raghavan, Arturo Laurenzi, Nikos Tsagarakis, **Dimitrios Kanoulas**
In the 19th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2019**).
16. **RPBP: Rapid-Prototyped Remote-Brain BiPed with 3D Perception**,
Dimitrios Kanoulas and Marsette Vona.
In IEEE International Conference on Advanced Robotics and Mechatronics (**ICARM 2019**).
17. **Variable Configuration Planner for Legged-Rolling Obstacle Negotiation Locomotion: Application on the CENTAURO Robot**,
Vignesh Sushrutha Raghavan, **Dimitrios Kanoulas**, Arturo Laurenzi, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2019**).
18. **Outlier-Robust State Estimation for Humanoid Robots**,
Stylianos Piperakis, **Dimitrios Kanoulas**, Nikos G. Tsagarakis, and Panos Trahanias.
In the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2019**).
19. **Towards Robot Interaction Autonomy: Explore, Identify, and Interact**,
Pietro Balatti, **Dimitrios Kanoulas**, Nikos G. Tsagarakis, Arash Ajoudani.
In the 2019 IEEE International Conference on Robotics and Automation (**ICRA 2019**).

20. **Whole-Body Stabilization for Visual-based Box Lifting with the COMAN+ Robot**, Arturo Laurenzi*, **Dimitrios Kanoulas***, Enrico Mingo Hoffman*, Luca Muratore*, Nikos G. Tsagarakis
** all four authors contributed equally to this work*
In the third IEEE International Conference on Robotic Computing (**IRC 2019**).
21. **rxKinFu: Moving Volume KinectFusion for 3D Perception and Robotics**, **Dimitrios Kanoulas**, Nikos G. Tsagarakis, and Masette Vona.
In the 18th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2018**).
22. **A Study on Low-Drift State Estimation for Humanoid Locomotion, Using LiDAR and Kinematic-Inertial Data Fusion**, Vignesh Sushrutha Raghavan, **Dimitrios Kanoulas**, Chengxu Zhou, Darwin G. Caldwell, and Nikos G. Tsagarakis
In the 18th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2018**).
23. **Bi-Manual Articulated Robot Teleoperation using an External RGB-D Range Sensor**, Emily-Jane Rolley-Parnell, **Dimitrios Kanoulas**, Arturo Laurenzi, Brian Delhaisse, Leonel Roza, Darwin G. Caldwell, Nikos G. Tsagarakis
In the 15th International Conference on Control, Automation, Robotics and Vision (**ICARCV 2018**).
Best Student Paper Award Finalist.
24. **A Self-tuning Impedance Controller for Autonomous Robotic Manipulation**, Pietro Balatti, **Dimitrios Kanoulas**, Giuseppe Francesco Rigano, Luca Muratore, Nikos G. Tsagarakis, Arash Ajoudani.
In the 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2018**).
25. **Footstep Planning in Rough Terrain for Bipedal Robots using Curved Contact Patches**, **Dimitrios Kanoulas**, Alexander Stumpf, Vignesh Sushrutha Raghavan, Chengxu Zhou, Alexia Toumpa, Oskar von Stryk, Darwin G. Caldwell, Nikos Tsagarakis
In the 2018 IEEE International Conference on Robotics and Automation (**ICRA 2018**).
26. **Translating Videos to Commands for Robotic Manipulation with Deep Recurrent Neural Networks**, Anh Nguyen, **Dimitrios Kanoulas**, Luca Muratore, Darwin G. Caldwell, Nikos Tsagarakis
In the 2018 IEEE International Conference on Robotics and Automation (**ICRA 2018**).
27. **Vision-Based Foothold Contact Reasoning using Curved Surface Patches**, **Dimitrios Kanoulas**, Chengxu Zhou, Anh Nguyen, Georgios Kanoulas, Darwin G. Caldwell, and Nikos G. Tsagarakis
In the 17th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2017**).
Best Interactive Paper Award Winner.
28. **Object-Based Affordances Detection with Convolutional Neural Networks and Dense Conditional Random Fields**, Anh Nguyen, **Dimitrios Kanoulas**, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2017**).

29. **Uncertainty Analysis for Curved Surface Contact Patches**,
Dimitrios Kanoulas, Nikos G. Tsagarakis, and Marsette Vona.
In the 16th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2016**).
30. **An Affordance-Based Pilot Interface for High-Level Control of Humanoid Robots in Supervised Autonomy**,
Peter Kaiser, Dimitrios Kanoulas, Markus Grotz, Luca Muratore, Alessio Rocchi, Enrico Mingo Hoffman, Nikos Tsagarakis, Tamim Asfour
In the 16th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2016**).
31. **Terrain Classification and Locomotion Parameters Adaptation for Humanoid Robots Using Force/Torque Sensing**,
Krzysztof Walas, Dimitrios Kanoulas, Przemyslaw Kryczka.
In the 16th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2016**).
32. **An Active Compliant Impact Protection System for Humanoids: Application to WALK-MAN Hands**,
Jinoh Lee, Wooseok Choi, Dimitrios Kanoulas, Rajesh Subburaman, Nikos G. Tsagarakis, and Darwin G. Caldwell.
In the 16th IEEE-RAS International Conference on Humanoid Robots (**Humanoids 2016**).
33. **Preparatory Object Reorientation for Task-Oriented Grasping**,
Anh Nguyen, Dimitrios Kanoulas, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the 2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2016**).
34. **Detecting Object Affordances with Convolutional Neural Networks**,
Anh Nguyen, Dimitrios Kanoulas, Darwin G. Caldwell, and Nikos G. Tsagarakis.
In the 2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2016**).
35. **Experimental Evaluation of a Perceptual Pipeline for Hierarchical Affordance Extraction**,
Peter Kaiser, Markus Grotz, Eren E. Aksoy, Dimitrios Kanoulas, Nikos G. Tsagarakis, and Tamim Asfour.
In the 2016 International Symposium on Experimental Robotics (**ISER 2016**).
36. **Optically-Regulated Impedance-Based Balancing for Humanoid Robots**,
Emmanouil Spyarakos-Papastavridis, Dimitrios Kanoulas, Nikos G. Tsagarakis, and Darwin G. Caldwell.
In the 15th IEEE-RAS Humanoids Conference on Humanoids Robots (**Humanoids 2015**).
37. **A Three-Toe Biped Foot with Hall-Effect Sensing**,
Sergio Castro Gomez, Marsette Vona, and Dimitrios Kanoulas
In the 2015 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2015**).
38. **Bio-Inspired Rough Terrain Contact Patch Perception**,
Dimitrios Kanoulas and Marsette Vona.
In the 2014 IEEE International Conference on Robotics and Automation (**ICRA 2014**).
39. **Sparse Surface Modeling with Curved Patches**,
Dimitrios Kanoulas and Marsette Vona.
In the 2013 IEEE International Conference on Robotics and Automation (**ICRA 2013**).

40. **Cache me if you can: Capacitated Selfish Replication in Networks**,
Ragavendran Gopalakrishnan, **Dimitrios Kanoulas***, Naga Naresh Karuturi, C. Pandu Rangan, Rajmohan Rajaraman, and Ravi Sundaram.
** corresponding author*
In the Latin American Symposium on Theoretical Informatics (Lecture Notes in Computer Science, vol 7256. Springer, Berlin, Heidelberg) (**LATIN 2012**).
41. **Curved Surface Contact Patches with Quantified Uncertainty**,
Marsette Vona, and **Dimitrios Kanoulas**.
In the 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS 2011**).
42. **Performance evaluation of a descent algorithm for bi-matrix games**,
Haralampos Tsaknakis, Paul Spirakis and **Dimitrios Kanoulas**,
In the 4th International Workshop on Internet and Network Economics (Lecture Notes in Computer Science, vol 5385. Springer, Berlin, Heidelberg) 2008 (**WINE 2008**).

Workshops/Posters

1. **ShorelineNet: An Efficient Deep Learning Approach for Shoreline Semantic Segmentation for Unmanned Surface Vehicles**,
Linghong Yao, **Dimitrios Kanoulas**, Ze Ji, Yuanchang Liu.
In the 2022 IEEE UK Ireland RAS Conference (**IEEE-UKandIreland 2022**).
2. **Less Reward is More: Improved Reinforcement Learning Control of a Mobile Manipulator using Clamped Joints**,
Denis Hadjivelichkov, Kostas Vlachos, **Dimitrios Kanoulas**.
13th Asian Conference on Machine Learning (ACML) Workshop on Machine Learning for Mobile Robot Vision and Control (**MVRL 2021**).
3. **SEROW: Legged Robot State Estimation**
Stylianios Piperakis, **Dimitrios Kanoulas**, and Panos Trahanias
In the 2021 Dynamic Walking: Drawing the Blueprints for Legged Locomotion. (**Dynamic Walking 2021**)
4. **Humanoid Robot Dense RGB-D SLAM for Embedded Devices**
Stylianios Piperakis, Nikolaos Tavoularis, Emmanouil Hourdakakis, **Dimitrios Kanoulas**, and Panos Trahanias
In the 2019 IEEE International Conference on Robotics and Automation Workshop: Towards Real-World Deployment of Legged Robots. (**ICRA 2019**)
5. **TelePose: a Teleoperation Robotic System based on External Range Sensing – Application on the Centaur-like Robot CENTAURO**
Emily-Jane Rolley-Parnell, **Dimitrios Kanoulas**, Arturo Laurenzi, Brian Delhaisse, Leonel Roza, Darwin G. Caldwell, Nikos G. Tsagarakis
In the 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems Workshop: Human-Robot Cooperation and Collaboration in Manipulation: Advancements and Challenges (**IROS 2018**).
6. **Vision-Based Footstep Localization for Rough Terrain Locomotion**,
Dimitrios Kanoulas, Alexia Toumpa, Chengxu Zhou, Darwin G. Caldwell, and Nikos G. Tsagarakis. In the 2017 IEEE International Conference on Robotics and Automation Workshop: Robust Perception, Planning, and Control for Legged Robot Locomotion in Challenging Domains. (**ICRA 2017**)

7. **Towards Scene Understanding for Autonomous Manipulation**, Anh Nguyen, **Dimitrios Kanoulas**, Darwin G. Caldwell, and Nikos G. Tsagarakis. In the 2016 IEEE International Conference on Robotics and Automation Workshop: Nature versus Nurture in Robotics. (**ICRA 2016**).
8. **Development of Modular and Active Impact Protection System for Humanoids Falling**, Jinoh Lee, Wooseok Choi, **Dimitrios Kanoulas**, Rajesh Subburaman, Darwin G. Caldwell, and Nikolaos G. Tsagarakis. In the 2016 IEEE International Conference on Robotics and Automation Workshop: Fall Detection, Damage Prevention, and Recovery Actions. (**ICRA 2016**).
9. **Rough Terrain Perception for Bipedal Robots using a Curved Contact Patches**, **Dimitrios Kanoulas**. In the 2015 IEEE/RSJ International Conference on Intelligent Robots and Systems Workshop: Perception and Planning for Legged Robot Locomotion in Challenging Domains (**IROS 2015**).
10. **The Surface Patch Library (SPL)**, **Dimitrios Kanoulas** and Marsette Vona. In the 2014 IEEE International Conference on Robotics and Automation Workshop: MATLAB/Simulink for Robotics Education and Research (**ICRA 2014**).
11. **Intensity and Depth Data Integration for Vehicle Detection**, **Dimitrios Kanoulas**, Alexandros Makris, Mathias Perrollaz, Christian Laugier. In the NSF REUSSI meeting, CSU, June 2014.
12. **Surface Patches for Rough Terrain Perception**, **Dimitrios Kanoulas**, In the Northeast Robotics Colloquium, Second Edition (poster), (**NERC 2013**).

Unfreed Papers

1. **UK-RAS White Paper on Legged Robotics: Agile and Dynamic Interaction** Maurice Fallon, Chengxu Zhou, **Dimitrios Kanoulas**, Zhibin Li, others UK-RAS Task Group on Legged Robots, July 2021
2. **CTY Robotics and Applied Computing**, **Dimitrios Kanoulas** and Marsette Vona, CCIS, Northeastern University, December 2012.
3. **Cache me if you can: Capacitated Selfish Replication in Networks**, Ragavendran Gopalakrishnan, **Dimitrios Kanoulas**, Naga Naresh Karuturi, C. Pandu Rangan, Rajmohan Rajaraman, and Ravi Sundaram, arXiv:1007.2694v2, CCIS, Northeastern University, December 2011.
4. **Performance Evaluation of a Descent Algorithm for Bi-Matrix Games**, Haralampos Tsaknakis, Paul Spirakis, and **Dimitrios Kanoulas**, RACTI-RU1-2008-36, CEID, University of Patras, September 2008.

Workshop Organization

1. **IROS'22** Workshop on “*The Role of Uncertainty and How it is Tackled in Robotic Grasping and Manipulation*”, Yasemin Bekiroglu, Marc Peter Deisenroth, Miao Li, Lorenzo Jamone, Roberto Calandra, **Dimitrios Kanoulas**, Florian T. Pokorny, Pietro Falco.

2. **ICRA'22** Workshop on “*Towards Real-World Deployment of Legged Robots*”, Shamel Fahmi, **Dimitrios Kanoulas**, Marko Bjelonic, Navinda Kottege, Krzysztof Walas.
3. **ICRA'21** Workshop on “*Towards Real-World Deployment of Legged Robots*”, Krzysztof Walas, **Dimitrios Kanoulas**, Navinda Kottege, Aaron Ames, Shamel Fahmi, Marko Bjelonic.
4. **RAIN'20** Workshop on “*UK-RAS Legged Robotics Task Group: Webinars*”, **Dimitrios Kanoulas**, Maurice Fallon, Ioannis Havoutis, Chengxu Zhou, Zhibin Li, and Michael Mistry.
5. **IROS'20** Workshop on “*Why Robots Fail to Grasp? - Failure Causes in Robot Grasping and Manipulation*”, Joao Bimbo, **Dimitrios Kanoulas**, Giulia Vezzani, Kensuke Harada.
6. **ICRA'20** Workshop on “*Towards Real-World Deployment of Legged Robots*”, **Dimitrios Kanoulas**, Navinda Kottege, Krzysztof Walas, Aaron Ames, Marko Bjelonic.
7. **ICRA'19** Workshop on “*Towards Real-World Deployment of Legged Robots*”, Marko Bjelonic, **Dimitrios Kanoulas**, Krzysztof Walas, Marco Camurri, Navinda Kottege, Eiichi Yoshida, Andrea Del Prete, C. Dario Bellicoso, Maurice Fallon, Marco Hutter, Ioannis Havoutis, Tirthankar Bandyopadhyay.
8. **IROS'18** Workshop on “*Humanoid Robot Falling: Fall Detection, Damage Prevention, and Recovery Actions.*”, **Dimitrios Kanoulas**, Jinoh Lee, Abderrahmane Kheddar, and Yohei Kakiuchi.
9. **ICRA'17** Workshop on “*Robust Perception, Planning, and Control for Legged Robot Locomotion in Challenging Domains*”, **Dimitrios Kanoulas**, Ioannis Havoutis, Maurice Fallon, Andrea Del Prete, and Eiichi Yoshida.
10. **ICRA'16** Workshop on “*Legged Robot Falling: Fall Detection, Damage Prevention, and Recovery Actions*”, **Dimitrios Kanoulas**, Seungkook Yun, Sung-Hee Lee.
11. **Humanoids'15** Workshop on “*Proprioceptive and Exteroceptive Data Fusion for State Estimation and Whole-Body Control of Humanoid Robots*”, Federico Moro, **Dimitrios Kanoulas**, Jaeheung Park, and Sentis Luis.
12. **IROS'15** Workshop on “*Perception and Planning for Legged Robot Locomotion in Challenging Domains*”, **Dimitrios Kanoulas**, Ioannis Havoutis, Maurice Fallon, and Eiichi Yoshida.

Teaching Experience

University College London (2019 - now)

Instructor for the courses:

1. “**Designing an Autonomous Service Robot**”: Invited 3h lecture to Oxford University on “Perception for Robotics with Limbs”. [Fall 2020 (online), Fall 2021 (online)]
2. “**COMP0129: Robotic Sensing, Manipulation and Interaction**”: This graduate course focuses on robotic manipulation, based on various sensors, for the purpose of interaction with the environment. [Fall 2019 (f2f; 30 students), Spring 2021 (online; 52 students), Spring 2022 (f2f, 60 students)]
3. “**COMP0037: Robotic Systems**”: This undergraduate course focuses on robotic systems and reinforcement learning. [Spring 2021 (online)]

Northeastern University (2008 - 2012)

Teaching Assistant for the courses:

1. **“CSU390: Theory of Computation”**: This undergraduate course serves as an introduction to formal models of languages and computation.
[Fall 2008, Spring 2009].
2. **“CS4300: Computer Graphics”**: This undergraduate course focuses on fundamental mathematics, algorithms, data structures, and programming techniques that are at the core of modern 2D and 3D graphics applications in practice.
[Spring 2011].
3. **“CS5010: Program Design Paradigms”**: This graduate course focuses on designing programs, from problem analysis to the development of test suites.
[Fall 2011, Spring 2012].
4. **CTY Project Robotics and Applied Computing Day Program for Gifted Middle School students**
Designed and run a full day robotics course for middle school students based on the Open Hardware Mobile Manipulator (OHMM) platform.
[December 2012].

Advisees

Research Fellows (Primary Supervised)

1. **Valerio Modugno, Research Fellow, UCL-CS:**
Dates: April 2022 - March 2025
Topic: “Legged Robot Learning (Control and Planning)”
Primary Supervisor: Dimitrios Kanoulas

Research Assistants (Primary Supervised)

1. **Linghong Yao, Research Assistant, UCL-CS:**
Dates: March 2022 - July 2022
Topic: “Navigation Among Movable Objects”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Danail Stoyanov

PhD Students (Primary Supervised)

1. **Jianwei Liu, PhD Student, UCL-CS** Dates: September 2022 - September 2026
Topic: “Path Planning for Quadruped Robots”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Valerio Modugno
2. **Stuart Shanks, PhD Student, UCL-CS**
Dates: September 2022 - September 2026
Topic: “Continuous Reinforcement Learning for Quadruped Robots”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Carlo Ciliberto

3. **Maria Stamatopoulou, PhD Student, UCL-CS**
Dates: September 2021 - September 2025
Topic: “Legged Robot Locomotion for Monitoring of Hazardous Environments”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Simon Julier
4. **Denis Hadjivelichkov, PhD Student, UCL-CS CDT FAI**
Dates: September 2022 - September 2026
Topic: “”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Carlo Ciliberto
5. **Luke Jonathan Beddow, PhD Student, UCL-CS EPSRC DTP**
Dates: September 2020 - August 2024
Topic: “Sensorised Robotic Hybrid Manipulators using Suction and Grasping”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Helge Wurdemann

PhD Students (Secondary Supervised)

1. **Jackie Kay, PhD Student, UCL-CS**
Dates: October 2020 - October 2023
Topic: “Reinforcement Learning for Robotic In-Hand Manipulation”
Primary Supervisor: Marc Deisenroth
Secondary Supervisor: Dimitrios Kanoulas, Yasemin Bekiroglu
2. **Sicelukwanda Zwane, PhD Student, UCL-CS**
Dates: October 2020 - October 2023
Topic: “Reinforcement Learning for Robotic In-Hand Manipulation”
Primary Supervisor: Marc Deisenroth
Secondary Supervisor: Dimitrios Kanoulas
3. **Julius Sustarevas, PhD Student, UCL-CS**
Dates: September 2018 – April 2022
Topic: “Robotics applied to Construction”
Primary Supervisor: Simon Julier
Secondary Supervisor: Dimitrios Kanoulas

MSc Students

1. **Wing Chung (Jonathan) Law, MSc Student, UCL** (May 2022 - September 2022): Integrating Vision via Machine Learning with a Research Robotic Gripper. [Primary Supervisor; Co-Supervised with Luke Beddow]
2. **Wenjie Lu, MSc Student, UCL** (May 2022 - September 2022): Game-Theoretic Inverse Reinforcement Learning for Robot Control. [Primary Supervisor; Co-Supervised with Simon Julier]
3. **Jianwei Liu, MSc Student, UCL** (May 2022 - September 2022): Path Planning for Mobile (Quadrupedal or Wheeled) Robots. [Primary Supervisor; Co-Supervised with Maria Stamatopoulou]
4. **Stuart Shanks, MSc Student, UCL** (May 2022 - September 2022): Path Planning for Mobile (Quadrupedal or Wheeled) Robots. [Primary Supervisor; Co-Supervised with Maria Stamatopoulou]
5. **Feilong Yan, MSc Student, UCL** (May 2022 - September 2022): Deep Reinforcement Learning for Advanced Quadrupedal Locomotion from Vision. [Secondary Supervisor; Co-Supervised with Dr. Vassilis Vassiliades]

BSc/MEng Students

1. **Mohammad Syed, BCs Student, UCL** (Sept 2021 - May 2022): ChessRobot: Pick-and-Place Chess Pieces using a Robot Manipulator. [Primary Thesis Supervisor]
2. **Wenjie Chen, BCs Student, UCL** (Sept 2021 - May 2022): Chess Robot: Visual chess pieces localization for playing chess. [Primary Thesis Supervisor]

Summer Interns

1. **Kefeng Huang, BCs Student, UCL** (8 weeks): myAGV: “The world’s smallest 6-DOF compound robot. [Co-Supervisors: Simon Julier, Dimitrios Kanoulas, Francisco Vasconcelos]

Past Students

Researchers (Primary Supervised)

1. **Dr. Kirsty Ellis, Research Fellow, UCL-WEISS:**
Dates: October 2020 - July 2022
Topic: “Navigation Among Movable Objects”
Primary Supervisor: Dimitrios Kanoulas
Secondary Supervisor: Danail Stoyanov

PhD Students

1. **Vignesh Sushrutha Raghavan, PhD Student, IIT** (November 2017 - June 2022); Primary Supervisor; Co-Supervised with Dr. Nikos Tsagarakis, Prof. Darwin Caldwell): Re-configurable Path Planner for Wheeled-Legged Animaloid Robots.
2. **Anh Nguyen, PhD Student, IIT** (November 2015 - August 2018; Primary Supervisor; Co-Supervised with Dr. Nikos Tsagarakis, Prof. Darwin Caldwell): Visual Perception for Humanoid Robot Manipulation.

MSc Students

1. **Alejandro Halpern Pastor, MSc Student, UCL** (January 2021 - September 2021): Whole-Body Path Planning on a Mobile Manipulator. [Primary Supervisor]
2. **Zinan Liu, MSc Student, UCL** (January 2021 - September 2021): Drone Landing in Rough Terrain, using RGB-D/Lidar Sensing. [Primary Supervisor]
3. **Jack Cook, MSc Student, UCL** (January 2021 - September 2021): Drone Landing in Rough Terrain, using RGB-D/Lidar Sensing. [Primary Supervisor]
4. **Arundathi Shaji Shanthini, MSc Student, UCL** (January 2021 - September 2021): Navigate Among Movable Objects, using Visual Data. [Primary Supervisor]
5. **Yuhang Ma, MSc Student, UCL** (January 2021 - September 2021): Navigate Among Movable Objects, using Visual Data. [Primary Supervisor]
6. **Edoardo Barbieri, MSc Student, UCL** (January 2021 - September 2021): . [Secondary Supervisor; Co-Supervised with Prof. Simon Julier]
7. **Martin Craiu Muller, MSc Student, UCL** (January 2020 - September 2020): Whole-arm Manipulation using Mobile Robotic Platforms. [Primary Supervisor]
8. **Denis Hadjivelichkov, MSc Student, UCL** (January 2020 - September 2020): Computer Vision and Learning for Robotic Manipulation applied on Real Robotic Platforms. [Primary Supervisor]

9. **Jingyi Liu, MSc Student, UCL** (January 2020 - September 2020): Waste Localization for Autonomous Robot Recycling Collection. [Primary Supervisor]
10. **Yusheng Tian, MSc Student, UCL** (January 2020 - September 2020): Visual-based Mobile Robot Path Planning in Real Environments. [Primary Supervisor; Co-Supervised with Prof. Simon Julier]
11. **Wenguang Lin, MSc Student, UCL** (January 2020 - August 2020): SLAM Autocompletion and Exploration. [Secondary Supervisor - Co-Supervised with Prof. Simon Julier, Dr. Ziwen Lu, Prof. Martin Magnusson, Prof. Achim J. Lilientha]
12. **Xuezhi Wei, MSc Student, UCL** (January 2020 - August 2020): Falling Objects on Drones. [Secondary Supervisor - Co-Supervised with Prof. Simon Julier, Dr. Ziwen Lu, Prof. Stefan Leutenegger]
13. **Vivekanandan Suryamurthy, Master Student, IIT/Delft University; Primary Thesis Supervisor - Co-Supervised with Dr. Nikos Tsagarakis and Prof. Martijn Wisse** (December 2017 - August 2018): Terrain Classification for Quadrupedal/Mobile Locomotion.
14. **Andrews Adu, Master Student, AIMS Ghana; Primary Thesis Supervisor** (March 2016 - June 2016): Human Recognition for Flying Robots.
15. **Buri Gershom, Master Student, AIMS Ghana; Primary Thesis Supervisor - Co-Supervised with Dr. Alessandro Crimi** (June 2015 - March 2016): Victim Recognition for Flying Robots.

BSc/MEng Students

1. **Chirag Hegde, BCs Student, UCL** (July 2020 - May 2021): Analysing the Efficacy of Different Methods of Task Allocation Between Drones in a Multi-agent Task. [Primary Thesis Supervisor]
2. **Henry Zhang, BCs Student, UCL** (July 2020 - May 2021): Navigation Among Movable Objects with Cardboard Boxes Localization using Ray-traced Visual Data. [Primary Thesis Supervisor]
3. **Andrei Lazar, BCs Student, UCL** (July 2020 - May 2021): Exploring the usage of Unreal Engine 4 as a Planetary Rover Locomotion Simulator. [Secondary Thesis Supervisor - Co-Supervised with Prof. Simon Julier, Dr. Sebastian Friston]
4. **Linghong Yao, BCs Student, UCL** (December 2020 - May 2021): Efficient Deep Learning Approach to Obstacle Detection in Shoreline Environments. [Secondary Thesis Supervisor - Co-Supervised with Dr. Yuanchang Liu]
5. **Michail Kanoulas, Bachelor Student, IIT** (August 2018 - August 2020; Primary Thesis Supervisor): Vision-Based Human Following with a Quadrupedal Robot.
6. **Emily-Jane Rolley-Parnell, Placement Year, IIT/University of Plymouth; Primary Placement Supervisor - Co-Supervised with Dr. Leonel Rozo** (August 2017 - August 2018): Human-Robot Interaction using Deep Learning.

Research Interns

1. **Jaydeep Godbole, BCs Student, Indian Institute of Technology (IIT) Kharagpur** (May 2020 - August 2021): Mobile Manipulation Whole-Body Control. [Primary Supervisor]
2. **Vignesh Sushrutha Raghavan, Research Intern, IIT** (May 2017 - October 2017): State Estimation/SLAM for Humanoid Robots [Primary Supervisor - Co-Supervised with Dr. Nikos Tsagarakis].

3. **Alexia Toumpa, Research Intern, IIT** (March 2017 - August 2017): 3D Perception for Humanoid Locomotion [Co-Supervised with Dr. Nikos Tsagarakis].
4. **Yukitoshi Minami, Research Intern, IIT; Secondary Supervisor - Co-Supervised with Dr. Przemyslaw Kryczka, Dr. Nikos Tsagarakis** (September 2015 - February 2016): State Estimation for Humanoids.
5. **Anh Nguyen, Research Intern, IIT** (May 2015 - October 2015; Primary Supervisor - Co-Supervised with Dr. Nikos Tsagarakis): Pre-Grasping Tools using 3D Perception.

Viva Committee

Final Viva

1. **PhD Viva: Claudia D'Ettore, University College London (UCL)** (Jun. 2022): [Supervisors: Danail Stoyanov, John Kelly, Agostino Stilli; External: Michael Yip].
2. **PhD Viva: Morenike Magbagbeola, University College London (UCL)** (May 2022): [Supervisors: Rui Loureiro, Mark Miodownik, Steve Hailes; External: Peter Kyberd].
3. **PhD Viva: Stylianos Piperakis, Foundation for Research and Technology - Hellas (FORTH)** (Dec. 2019): Robust Nonlinear State Estimation for Humanoid Robots [Supervisor: Panos Trahanias].

Upgrade Viva

1. **First year PhD Viva: Ahmad Drak, University College London (UCL)** (Jul. 2022): [Supervisors: Simon Julier, Steve Hailes].
2. **PhD Transfer Viva (MPhil Upgrade): Jackie Kay, University College London (UCL)** (Aug. 2022): [Supervisors: Marc Deisenroth, Dimitrios Kanoulas].
3. **PhD Transfer Viva (MPhil Upgrade): Wenlong Gaozhang, University College London (UCL)** (Jun. 2022): [Supervisors: Helge Wurdemann, Agostino Stilli].
4. **PhD Transfer Viva (MPhil Upgrade): Sicelukwanda Zwane, University College London (UCL)** (Jun. 2022): [Supervisors: Marc Deisenroth, Dimitrios Kanoulas].
5. **PhD Transfer Viva (MPhil Upgrade): Mel Vecerik, University College London (UCL)** (May 2022): [Supervisors: Lourdes Agapito, Jon Scholz, Raia Hadsell].
6. **PhD Transfer Viva (MPhil Upgrade): Lei Gao, University College London (UCL)** (Mar. 2022): [Supervisors: Sriram Subramanian, Diego Martinez Plasencia].
7. **PhD Transfer Viva (MPhil Upgrade): Keshav Kannan Iyengar, University College London (UCL)** (Feb. 2022): Model-free Control of Concentric Tube Robots [Supervisor: Danail Stoyanov, Sarah Spurgeon].
8. **PhD Transfer Viva (MPhil Upgrade): Jingwen Wang, University College London (UCL)** (Oct. 2021): Object Oriented SLAM with Deep Shape Priors [Supervisor: Lourdes Agapito].
9. **PhD Transfer Viva (MPhil Upgrade): Meriem Ben Miled, University College London (UCL)** (Aug. 2021): Efficient Dynamic Obstacle Detection for Aerial Autonomous Vehicles [Supervisor: Yuanchang Liu].

10. **PhD Transfer Viva (MPhil Upgrade): Julius Sustarevas, University College London (UCL)** (May 2021): Autonomous Material Deposition via Mobile Manipulators [Supervisor: Simon Julier].

MSc Viva

1. **Master Viva: Gitle Seim Brekke, Norwegian University of Science and Technology (NTNU)** (Sept. 2022): Leg Design and Control for Jumping Quadrupeds [Supervisors: Kostas Alexis, Jørgen Anker Olsen].
2. **Master Viva: Nora Graffer, Norwegian University of Science and Technology (NTNU)** (Sept. 2022): Attitude Stabilization of a Quadruped Robotic System during Free-Flight [Supervisors: Kostas Alexis, Jørgen Anker Olsen].
3. **Master Viva: Adrian Bødtker Ghansah and Paal Arthur Schjeldrup Thorseth, Norwegian University of Science and Technology (NTNU)** (Oct. 2021): Design and Control of a Torqu Controllable Quadrupedal Robot [Supervisors: Kostas Alexis, Sebastien Gros, Esten Ingar Grotli].

Honors & Awards

University College London (UCL), London, UK [September 2019 – now]

UK-RAS Early Career Award 2022.

Outstanding Associate Editor (ICRA 2022).

Gained a ZOA Robotics quadrupedal robot donation (£20,000) [ZOA Robotics, August 2021].

Istituto Italiano di Tecnologia (IIT) [September 2014 – August 2019]

Marie Skłodowska-Curie Actions Seal of Excellence 2018.

Best Student Paper Award Finalist (ICARCV 2018).

Best Interactive Paper Award Winner (Humanoids 2017).

2 NVIDIA TITAN Xp Graphics Card with Pascal Architecture for research on Robotic Deep Learning, \$3,169.56) [NVIDIA GPU Grant, October 2017].

Northeastern University September 2008 – August 2014]

IEEE ICRA NSF Travel Support (\$750) (Summer 2014).

University of Patras [September 2003 – August 2008]

Ranking in top 5% of the class for all the academic years between 2003-2008.

Presentations

Interviews/Media

1. BBC Digital Planet podcast.
2. UK-RAS RAS Network Robotics and Autonomous Systems, Robot Talk podcast with Dr Claire Asher, December 2020, [Winter Treats 2, Winter Treats 3, Winter Treats 4, Winter Treats 5, Episode Four].

Invited Talks

1. “Humanoids, Quadrupeds, and other Legged Robots”, Open Robotics Summer School, UPatras, July 2022.
2. “Robots with Legs & Arms: Cognition for Real-World Loco/Manipulation in Complex Environments”, Royal Veterinary College, UK, June 2022.
3. “Real-World Legged Robots”, UCL Science Centre lectures (the talk was sent to about 300 schools)
4. “The Future of Real-World Legged Robotics”, Keynote Speech, Hellenic Tech Network, HBA-UK, Embassy of Greece in the United Kingdom, UK, December 2021.
5. “Real World Legged Robotics”, 5-min Talks, UKRI, Future Leaders Fellowship, UK, November 2021.
6. “Towards Real-World Robot Perception”, Geotechnical Engineering, Aston University, Birmingham, UK, November 2021.
7. “So What About Real-World Robot Perception?”, University of Amsterdam, Netherlands, September 2021.
8. “Towards Limbed Robot AI through Perception & Learning”, Royal Holloway University of London, UK, March 2021.
9. “A Glimpse into Legged Robots”, Enrichment Talks, UCL, UK, January 2021.
10. “Humanoid Manipulation: Plato vs Aristotle”, Humanoid Sensing and Perception, IIT, Italy, January 2021.
11. “Towards Limbed Robot AI through Perception & Learning”, Robotics Engineering Colloquium Series, WPI, USA, September 2020.
12. “Perception-based Limbed Robot Locomotion and Manipulation”, Oxford Robotics Institute, Oxford University, London, January 2020.
13. “Perception for Limbed Robot Locomotion and Manipulation in Complex Environments”, University College London, London, December 2019.
14. “Perception for Limbed Robot Locomotion and Manipulation in Complex Environments”, Queen Mary University of London, London, October 2019.
15. “Perception for Legged Robot Locomotion and Manipulation in Complex Environments”, The Centre for Research and Technology (CERTH), Thessaloniki, October 2018.

16. “Perception for Legged Robot Locomotion and Manipulation in Complex Environments”, Department of Electrical and Computer Engineering , Aristotle University of Thessaloniki, October 2018.
17. “Perception for Humanoid Robot Locomotion and Manipulation in Complex Environments”, Department of Computer Science, University of Ioannina, March 2018.
18. “Perception for Humanoid Robot Locomotion and Manipulation in Complex Environments”, Informatics Department, Technological Educational Institute of Western Macedonia, March 2018.
19. “Reasoning about Contacts using 3D Perception: from a mini-biped to a full-size humanoid robot”, Universidad Autonoma de Yucatan, November 2016.
20. “Detecting Object Affordances with Convolutional Neural Networks”, iCub Facility Department, IIT, October 2016.
21. “Reasoning Contact using 3D Perception: from a mini-biped to a full-size humanoid robot”, ISR/IST, Univ. of Lisbon, April 2016.
22. “3D Perception for the WALK-MAN Robot facing the DARPA Robotics Challenge”, CCIS, Northeastern University, May 2015.
23. “3D Perception for Car Recognition”, NSF-REUSII, Colorado State University, June 2014.
24. “From Noisy Point Clouds to Curved Contact Patches”, GRASP group, UPenn, June 2013.
25. “From Noisy Point Clouds to Curved Contact Patches”, CSL group, National Technical University of Athens, May 2013.
26. “Vehicle Recognition using Stereo Camera”, Google, Boston, March 2013.
27. “Detecting Contact Patches in Noisy 3D Sampled Data”, PERCEPTION group, INRIA, Grenoble, July 2012.
28. “Detecting Contact Patches in Noisy 3D Sampled Data and Vehicle Recognition using stereo vision”, e-motion group, INRIA, Grenoble, July 2012.
29. “Detecting Contact Patches in Noisy 3D Sampled Data”, LAAS-CNRS, Toulouse, July 2012.

Selected Other Talks

1. “3D Perception: Foothold, Handhold, and Whole-Body Affordances”, Singapore, March 2016.
2. “Towards Rough Terrain Perception for Localization and Mapping”, Humanoids workshop, Seoul, South Korea, November 2015.
3. “Rough Terrain Perception for Bipedal Robots using Curved Contact Patches”, IROS workshop, Hamburg, Germany, September 2015.
4. “A Three-Toe Biped Foot with Hall-Effect Sensing”, IROS conference, Hamburg, Germany, September 2015.
5. “3D Perception using RGB-D Range Sensors”, SMART-E Summer School, IIT, Genoa, January 2015.
6. “WALK-MAN 3D Perception”, IIT, Genoa, January 2015.

7. “3D Perception for the DRC/Walk-Man Project”, KIT, Karlsruhe, December 2014.
8. “Bio-Inspired Rough Terrain Contact Patch Perception”, ICRA conference, Hong Kong, June 2014.
9. “The Surface Patch Library (SPL)”, ICRA 2014 workshop: MATLAB/Simulink for Robotics Education and Research, Hong Kong, June 2014.
10. “Curved Surface Patches for Rough Terrain Perception”, Thesis Proposal, CCIS, Northeastern University, December 2013.
11. “Sparse Surface Modeling with Curved Patches”, ICRA conference, Karlsruhe, May 2013.
12. “Cache me if you can: Capacitated Selfish Replication in Networks”, LATIN, Arequipa, April 2012.
13. “Curved Surface Contact Patches with Quantified Uncertainty”, IROS, San Francisco, September 2011.
14. “Open Source in Robotics”, PhD seminar, CCIS, Northeastern University, June 2011.
15. “Capacitated Caching Games”, SCAN seminar, CCIS, Northeastern University, February 2011.
16. “Distributed Selfish Replication Problem: A game theoretic approach”, SCAN seminar, CCIS, Northeastern University, November 2009.

Enterprise & External Engagement

1. External Enterprise: Industrial Collaborations

*For UKRI-FLF: Arrival LTD - UK (£5k in-kind contribution), Biblia Chora – Greece (£5k in-kind contribution), INGV – Italy (£20k in-kind contribution).
For EPSRC-NIA: Amazon (£60k in-kind contribution), NVIDIA (£10k in-kind contribution), PAL Robotics (£10k in-kind contribution), and the Science Museum (£3.75k in-kind contribution).*

2. External Enterprise: Donations

*ZOA Robotics (donation of a £20k robot).
Arup (donation of 1 PhD studentship I co-supervise).*

3. External Enterprise: Academic Collaborations

Oxford Univ. – UK, ETH – Switzerland, IIT – Italy (UKRI-FLF, EPSRC-NIA), Univ. of Leeds – UK (DASA/Dstl-TeLeMan), Osaka Univ. – Japan (UCL-GEF TeleGrasp), and Hanyang Univ. – South Korea.

4. External Enterprise: Scientific Advisor

*ZOA Robotics company (2019-2020).
OpenArms (2021-now).*

5. External Enterprise: Spin-Off

UKRI FLF Spin-Off preparation: IP and spin-off training, seminars, and workshops (UCL-IO, UCL-B).

6. Public Engagement: UK and International News

2 podcasts interviews (work on legged robots), 40 journals (for the UKRI-FLF project), 2 IEEE Spectrum, 4 UCL News.

7. **Public Engagement: School Lecturing**
Planned talks at schools Wandsworth and Camden on legged robots.
8. **Public Engagement: Invited Talks and Lectures**
Since 2019, 10 invited talks (outside UCL) and 2 courses at Oxford University.
9. **Public Engagement: External Supervision (EDI)**
Supervised a research intern from IIT-Kharagpur in India, MSc thesis supervisory member of AIMS in Ghana-Africa, PhD viva member of 7 students (FORTH-Greece and IIT-Italy) and MSc viva of 2 students (NTNU-Norway).
10. **Public Engagement: Services**
Member in a UK-RAS Strategic Group, the EPSRC Early Career Forums, the ELLIS society, and in a future conference organization (IEEE ICRA'23 in London).
11. **Summer School Final-Project Judge**
judge for the "Bio-Robotics and Animal Movement Challenge: The Finale" UCL summer school (March 2022).

Institutional Citizenship (UCL)

1. **RAEng Sift Panel 2022**
2. **UCL East MEng/MSc programmes in Robotics and AI**
Key contributor to the design of the new programme starting in 2023.
3. **UCL Robotics Institute**
Re-organizing the structure of the Institute, redesigning the web-page, and organizing/running for first time a yearly-to-be workshop of all UCL Robotics, which attracted the interest of the Provost and almost 300 attendees in 2021 from 10 departments and centres.
4. **Robotics Perception and Learning Lab's Seminar**
Organizing and running the seminar, with prestigious invited speakers around the world.
5. **Internal Invited Talks**
Since 2019, I delivered 2 invited UCL talks about legged robotics (IET/UCL Robotics Lecture, UCL-CS enrichment).
6. **UCL-CS PhD interview panels and committees**
Participating in several interview panels monthly.
7. **Student co-Supervision**
I am heavily connected with the UCL AI Centre and the Mechanical Engineering department (M. Deseinroth, H. Wudermann, Y. Liu), co-supervising inter/cross-disciplinary MSc/PhD students.
8. **UCL-IIT Collaboration**
Since Sept. 2019, I am leading the initiative of collaboration between UCL-CS and the Italian Institute of Technology (IIT).
9. **UCL ELLIS, External Relations, EDI**
Since Sept. 2020, I am a member of UCL-CS ELLIS network, while recently, in Sept. 2021, I have been accepted as a permanent chair at the UCL-CS External Relations committee, as well as a member of the EDI Race Equality committee involved mainly in the Race Equality group.

10. School Engagement

Promoting UCL-CS's research on legged robots via lecturing at schools, such as the Harris Academy Battersea and Southfields Academy, after coordination with the WP Academic Liaison of BEAMS and the UCL Student and Registry Services.

11. School Engagement

Promoting UCL-CS's research on legged robots via lecturing at summer school in Greece.

12. UCL HereEast and East

I have been a member of the UCL HereEast academic steering and operations groups, where important decisions for HereEast management were taken fortnightly and included several departments and faculties of UCL. I am also the main robotic operational manager of the new UCL East building, as leading member of the UCL-CS East operation group.

13. EDI Involvement Attended several seminars/workshops, e.g., 1) ‘ART-AI Spotlight on Equality, Diversity and Inclusivity Seminar’ with Sarah Murphy Gray [Jan. 2022]**Professional Services**

Conference Organization: ICRA 2023

Round Table for Embassy of Greece in London: “Round table discussion invitation: Bridging the Greek and British start-up ecosystems” [22 March 2022]

UCL CS: Health and Safety Committee [12/2021 – now]

UCL East: MEng Programme Design, Operations Group, Equipment Group [02/2020 – now]

Chair of UCL External Relations Committee [08/2021 – now]

Member of UKRI Early Career Researcher Forum [02/2021 – now]

Deputy Director of the UCL MSc program on Robotics and Computation [09/2020 – now]

UK-RAS Strategic Task Group 2020-2021: “Legged Robotics and Locomotion Technical Committee”, (UCL PI: Dimitrios Kanoulas)

Project Reviewer: Lebanese American University’s Presidential Intramural Research Fund (PIRF) 2022, EPSRC 2022, Science Fund of the Republic of Serbia 2019-2020

University Reviewer: QS Intelligence Unit (QSIU) 2022.

Session Chair: IROS 2021, ICARCV 2018, IROS 2018

Workshop Chair: ICRA 2021, ICRA 2020, IROS 2020, ICRA 2019, IROS 2018, ICRA 2017, ICRA 2016, Humanoids 2015, IROS 2015

Editor: Frontiers Robotics and AI 2020-2021 Special Issue on: “Towards Real-World Deployment of Legged Robots”, Frontiers Robotics and AI 2020-2021 Special Issue on: “Sim2Real Robot Learning and Control with Realistic Observations”

Associate Editor: IROS 2022, ICRA 2022, IRC 2021, IROS 2021, ICRA 2021, Frontiers Robotics and AI 2020-2021 (Field Robotics), Frontiers Robotics and AI 2020-2021 (Robotic Control Systems), ICRA 2020, ICAR 2019, IROS 2017

Program Committee: ARSO 2018, IJCAI 2017

Review Editor: Frontiers in Robotics and AI: Editorial Board of Robotic Control Systems 2019-now, Editorial Board of Humanoid Robotics: 2020-now

Book Reviewer: TheIET 2022

Robotics Survey: Stanford Robotics Survey for 2022 AI Index Report

Reviewer: UKRAS 2022, IROS 2022, MLCR 2022, RSS 2022, ARC 2022, JAIR 2022, SII 2022, RA-L 2022, ICRA 2022, ITS 2021, CASE 2021, IROS 2021, RA-L 2021, RSS 2021, T-RO 2021, ICRA 2021, Frontiers in Robotics and AI 2020, T-RO 2020, Frontiers in Neurorobotics 2020, RAM 2020, IROS 2020, RA-L 2020, ICRA 2020, HRI 2020, IROS 2019, RAM 2019, RSS 2019, RAS 2019, ECC 2019, ICRA 2019, RA-L 2019, Elsevier Mechanism and Machine Theory 2018, Humanoids 2018, ARSO 2018, BioRob 2018, IROS 2018, ICRA 2018, Frontiers 2018, Humanoids 2017, Robotics Journal (MDPI) 2017, FSR 2017, IROS 2017, AIMS 2017, IJCAI 2017, RA-L 2017, ICRA 2017, Humanoids 2016, IJHR 2016, IROS 2016, RA-L 2016, ICCVM 2016, ICRA 2016, Humanoids 2015, MFI 2015, SSIIV 2015, IROS 2014, IROS 2013, NEU Outstanding Graduate Student Awards '13, IEEE-RAM 2013, ICRA 2013, Humanoids 2012, IROS 2011, CCC 2010

External Reviewer: SODA 2010, GLOBECOM 2009

Scientific Reviewer: Certified Evaluator-Expert for the Hellenic Foundation for Research and Innovation 2020-2021

PhD Committee: FORTH PhD Thesis Committee (1 student), IIT 2017 Ph.D. Evaluation (5 students), IIT 2018 Ph.D. Evaluation (6 students)

MSc Thesis Marker: 13 UCL MSc theses in Robotics and Computation (2020)

IEEE Member: 01/03/2011 – now

IEEE Young Professional: 01/01/2014 – now

IEEE Robotics and Automation Society Member: 01/01/2013 – now

ELLIS (European Lab for Learning and Intelligent Systems) Member: 01/08/2020 – now

ELLIS UCLMember: 01/08/2020 – now

News (since 2021)

UCL Disruptive Thinkers

BBC Podcast

UCL-CS News Spotlight.

UCL News Spotlight

IEEE Spectrum - Video Friday [\[link\]](#) (10/06/2022)

Podcast Interview about the new IM@UCL [\[link\]](#)

Evening Standard Tech and Science Daily by Mark Blunden about RoboHike, 5:18min [\[link\]](#)

UKRI Future Leaders Fellowship: RoboHike [UK Gov] [UKRI[News] [UCL News] [UCL in the media] [UCL Center of AI] [Evening Standard] [The American Telegraph] [Daily Echo] [Leading British Conversation] [Guernsey Press] [Yahoo!sport] [Engineering and Technology] [Energy Live News] [Mirage News] [Wired Gov] [Business Leader] [fe news] [Foreign Affairs] [Fuenti Tech] [Energy News Line] [Car Dealer] [The World News] [Asem Education Secretariat] [Tittle Press] [Express] [Tech Digest] [Euroweekly News] [Evening Telegraph] [Evening Express] [Press and Journal] [News and Star] [Shropshire Star] [Yahoo! Finance] [Business Cloud] [Press Leader] [The Argus] [Wandsworth Guardian] (08/09/2021)

IEEE Spectrum Video Friday [link] (20/08/2021)

UCL AI Centre Newsletter: Summer 2021 (03/08/2021)

IEEE Spectrum Video Friday [link] (14/05/2021)

Robotic Gizmos [link] (11/05/2021)

Global Engagement Funds 2020/21 recipients [link] (26/02/2021).

Second annual UCL-Osaka Strategic Partner Funds recipients [link] (18/02/2021).

Miscellaneous

Foreign languages

Greek (native), English (fluent), Italian (beginner).

University Activities

University College London (UCL)

Organized RPL Seminar: Fall 2020

Northeastern University

Organized SCANS and PhD Seminar: Fall 2009, Spring 2010.

Organized Algorithmic Game Theory Reading Group: Fall 2008, Spring 2009.

Organized Perception for Robotics Reading Group: Summer 2013, Fall 2013, Spring 2014.

University of Patras

Undergraduate Student Representative 2003-2008

References Available Upon Request

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