Christoforos Mavrogiannis

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Research Experience

Postdoctoral Research Associate 2019-Present
Paul G. Allen School of Computer Science & Engineering, University of Washington, Seattle WA
Personal Robotics Lab (PI: Prof. Siddhartha S. Srinivasa)

Graduate Research Assistant 2014-2019
Department of Computer Science, Cornell University, Ithaca NY
Robotic Personal Assistants Lab (PI: Prof. Ross A. Knepper)

Graduate Research Assistant 2011-2013
School of Mechanical Engineering, National Technical University of Athens, Athens, Greece
Control Systems Lab (PI: Prof. Kostas J. Kyriakopoulos)

Education

Ph.D., Cornell University May 2019
Sibley School of Mechanical & Aerospace Engineering
Thesis title: "Motion Planning for Socially Competent Robot Navigation"
Committee: Ross A. Knepper (chair), Anca Dragan (ext.), Shimon Edelman, Guy Hoffman, Kilian Weinberger

M.S., Cornell University Jan 2017
Sibley School of Mechanical & Aerospace Engineering
Concentrations: Dynamics & Control, Artificial Intelligence, Cognitive Studies
GPA: 4.055/4.000

Diploma (Dipl.-Ing.), National Technical University of Athens (NTUA) Mar 2013
School of Mechanical Engineering
Concentration: Mechanical Design & Control
Thesis title: "Grasp Synthesis Algorithms for Multifingered Robot Hands"
Advisor: Prof. Kostas J. Kyriakopoulos
GPA: 8.46/10.00 (qualification: 11th out of 212 graduated students in 2013)

Teaching Experience

Instructor Winter 2020
Paul G. Allen School of Computer Science & Engineering, University of Washington
CSE 478: Autonomous Robotics
Attendance: 36; Average rating: **4.13/5.00**.

"Autonomous Robotics covers the building blocks of autonomous mobile robotic systems. Students complete a series of assignments guiding them through the study and implementation of fundamental estimation, control, and planning algorithms. The algorithms are tested on $1/10^{th}$-sized rally cars programmed in Python and interfaced through ROS".

Teaching Assistant Fall 2016, Fall 2017
Department of Computer Science, Cornell University
CS 4750/5750: Foundations of Robotics
"Foundations of Robotics is a challenging introduction to basic computational concepts used broadly in robotics. Topics include simulation, kinematics, control, optimization, and probabilistic inference. The mathematical basis of each area is emphasized, and concepts are motivated using common robotics applications and programming exercises".

Selected Honors & Awards

Travel Award, Paul G. Allen School of Computer Science & Engineering 2019
Most Ethical Design, Lean Startup Machine Challenge, BMW Summer School 2018
Travel Grant, Cornell University Graduate School 2017, 2017, 2018
Travel Grant, BMW Summer School 2018
Travel Grant, Robotics: Science and Systems Conference 2018
Best Paper Finalist, International Conference on Human-Robot Interaction 2017
Travel Grant, International Conference on Human-Robot Interaction 2017
Travel Grant, International Workshop on the Algorithmic Foundations of Robotics 2016
2nd Prize, Hackaday Prize 2015
1st Prize, Robotdalen International Innovation Award 2015
Graduate Fellowship, Sibley School of Mechanical & Aerospace Engineering 2013
Award for Scientific Publications, Thomaidion Institution 2013
Regional Finalist, European BEST Engineering Competition 2012
2nd Prize, NTUA Innovative Design Competition 2011
Internship Grant, IAESTE (qualification: 3rd in NTUA) 2011

Consortia/Symposia

Seminar 19411, Schloss Dagstuhl – Leibniz Center for Informatics, Wadern, Germany 2019
Invitation-only, week-long symposium with title: "Social Agents for Teamwork and Group Interactions", bringing together a multidisciplinary group of researchers in social robotics, multi-agent systems, and human-robot interaction.

CMM Workshop, Honda Research Institute, San Jose, CA 2019
Yearly meeting featuring the partners of the Curious Minded Machine (CMM) project.

BMW Summer School, Munich, Germany 2018
Selective international summer school funded by the BMW company with theme: "Intelligent Cars on Digital Roads–Frontiers in Machine Intelligence".

RSS Pioneers Workshop, Pittsburgh, PA 2018

Selective annual doctoral consortium in conjunction with the Robotics: Science & Systems (RSS) Conference, featuring a group of the world's top early-career researchers in all areas of robotics. [Acceptance 38%]

HRI Pioneers Workshop, Vienna, Austria 2017

Selective annual doctoral consortium in conjunction with the ACM/IEEE International Conference on Human-Robot Interaction (HRI), featuring the world's top early-career researchers in human-robot interaction. [Acceptance 31%]

Leadership and Volunteering Experience

Mentor, Department of Defense Vehicle Cybersecurity Hackathon 2021

Mentor on vehicle autonomy topics.

Reader for the UW CSE PhD Admissions Committee 2020

Volunteered to help out on the evaluation of PhD applications.

Honda Curious Minded Machine (CMM), UW Team Coordinator Jul 2019-Present

CMM is a multi-year research project bringing together teams from MIT, UPenn, UCSC and UW working on the development of robots that curiously learn and interact with humans and their environments.
Coordinating the research deliverables of the UW team.

Allen School Covid Safety Plan Lead for Robotics Labs Sep 2020-April 2021

Developed a plan that enables researchers to safely work in the Robotics Labs of UW.
Delivers regularly Covid Safety training sessions to UW researchers.

Personal Robotics Lab Demo Lead at the 2020 AAAS Meeting Feb 2020

Coordinated the presentation of 4 interactive robotics demos showcasing research conducted at the Personal robotics Lab to the broad public and general scientific audience of the Annual Meeting of the American Association for the Advancement of Science. The team comprised 16 graduate and undergraduate students.

Team-Lead 2019-Present

Multiagent System for non-Holonomic Racing (MuSHR)
Leading a team of graduate and undergraduate students that support the infrastructure and research foundations of the MuSHR autonomous racecar project.

Team Member 2018

Member of the "Silver Ghost" team that participated in the Lean Startup Machine Challenge at the BMW Summer School and won the prize for the "most ethical design".

Volunteer 2016

North East Robotics Colloquium (NERC), Cornell University, Ithaca, NY.
Collaborated with a team of students to make local arrangements for 150 attendees.

Research Associate 2013-2015

OpenBionics Open-source Initiative

Research and management of open-source projects related to the design of robotic and prosthetic hands.

Intern Summer 2011
Hydron Unipress, Łodz, Poland
Collaborated with a team of engineers on the Computer-aided design documentation of soldering wire production machines, funded by the International Association for the Exchange of Students for Technical Experience (IAESTE).

Team Member 2011
NTUA European BEST Engineering Competition
Collaborated with mechanical and civil engineering undergraduate students to tackle a series of open-ended engineering design challenges.

Team Member 2011
NTUA Innovative Design Competition
Collaborated with a team of mechanical engineering undergraduates to design and control a solar tracking device.

Publications

Journal Articles

J5. **Christoforos Mavrogiannis**, Francesca Baldini, Allan Wang, Dapeng Zhao, Aaron Steinfeld, Pete Trautman, and Jean Oh, "Core Challenges of Social Robot Navigation: A Survey". [In submission]

J4. **Christoforos Mavrogiannis**, Jonathan A. DeCastro, and Siddhartha S. Srinivasa, "Implicit Multiagent Coordination at Unsignalized Intersections via Multimodal Inference Enabled by Topological Braids". [In submission]

J3. **Christoforos Mavrogiannis**, Patrícia Alves-Oliveira, Wil B. Thomason and Ross A. Knepper, "Social Momentum: Design and Evaluation of a Framework for Socially Competent Robot Navigation". [Under review]

J2. **Christoforos Mavrogiannis** and Ross A. Knepper, "Hamiltonian Coordination Primitives for Decentralized Multiagent Navigation", The International Journal of Robotics Research. [Invited Submission] [Revision under review]

J1. **Christoforos Mavrogiannis** and Ross A. Knepper, "Multiagent Path Topology in Support of Socially Competent Navigation Planning", The International Journal of Robotics Research, 38 (2–3), 2019, pp. 338–356. [Invited Submission]

Book Chapters

2. **Christoforos Mavrogiannis**, Ross Knepper, "Multi-agent Trajectory Prediction and Generation with Topological Invariants Enforced by Hamiltonian Dynamics", In: Morales M., Tapia L., Sánchez-Ante G., Hutchinson S. (eds) Algorithmic Foundations of Robotics XIII. WAFR 2018, Springer Proceedings in Advanced Robotics, vol 14. Springer, Cham.

1. **Christoforos Mavrogiannis**, Ross Knepper, "Decentralized Multi-Agent Navigation Planning with Braids", In: Goldberg K., Abbeel P., Bekris K., Miller L. (eds) Algorithmic Foundations of Robotics XII, Springer Proceedings in Advanced Robotics, vol 13. Springer, Cham.

Refereed Conference Proceedings

C14. Junha Roh*, **Christoforos Mavrogiannis***, Rishabh Madan*, Dieter Fox, and Siddhartha S. Srinivasa, "Multimodal Trajectory Prediction via Topological Invariance for Navigation at Uncontrolled Intersections", Proceedings of the Conference on Robot Learning (CoRL), 2020. [Acceptance 34%]

C13. Liyiming Ke, Ajinkya Kamat, Jingqiang Wang, Tapomayukh Bhattacharjee, **Christoforos Mavrogiannis**, and Siddhartha S. Srinivasa, "Telemanipulation with Chopsticks: Analyzing Human Factors in User Demonstrations", Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Las Vegas, NV, USA, October 2020.

C12. Gilwoo Lee, Christoforos Mavrogiannis and Siddhartha S. Srinivasa, "Towards Effective Human-AI Teams: The Case of Collaborative Packing", Symposium on Artificial Intelligence for Human-Robot Interaction (AI-HRI), 2019 AAAI Fall Symposium Series, Arlington, Virginia, November 2019.

C11. **Christoforos Mavrogiannis**, Alena Hutchinson, John Macdonald, Patrícia Alves-Oliveira and Ross A. Knepper, "Effects of Distinct Robot Navigation Strategies on Human Behavior in a Crowded Environment", Proceedings of the 2019 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Daegu, Republic of Korea, March 2019. [Acceptance 24%]

C10. **Christoforos Mavrogiannis** and Ross A. Knepper, "Multi-Agent Trajectory Prediction and Generation with Topological Invariants Enforced by Hamiltonian Dynamics", Proceedings of the 2018 International Workshop on the Algorithmic Foundations of Robotics (WAFR), Mérida, Mexico, December 2018.

C9. **Christoforos Mavrogiannis**, Wil Thomason and Ross A. Knepper, "Social Momentum: A Framework for Legible Navigation in Dynamic Multi-Agent Environments", Proceedings of the 2018 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Chicago, IL, USA, 2018, pp. 361-369. [Acceptance 23%]

C8. **Christoforos Mavrogiannis**, Valts Blukis and Ross A. Knepper, "Socially Competent Navigation Planning by Deep Learning of Multi-Agent Path Topologies", Proceedings of the 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Vancouver, BC, CA, 2017, pp. 6817-6824.

C7. Ross A. Knepper, **Christoforos Mavrogiannis**, Julia Proft and Claire Liang, "Implicit Communication in a Joint Action", Proceedings of the 2017 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Vienna, Austria, 2017, pp. 283-292. [Acceptance 24%] [Best Paper Finalist]

C6. **Christoforos Mavrogiannis** and Ross A. Knepper, "Decentralized Multi-Agent Navigation Planning with Braids", Proceedings of the 2016 International Workshop on the Algorithmic Foundations of Robotics (WAFR), San Francisco, CA, USA, 2016. [Acceptance 25%]

C5. George Kontoudis, Minas V. Liarokapis, Agisilaos G. Zisimatos, **Christoforos Mavrogiannis** and Kostas J. Kyriakopoulos, "Open-Source, Anthropomorphic, Underactuated Robot Hands with a Selectively Lockable Differential Mechanism: Towards Affordable Prostheses", Proceedings of the

2015 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Hamburg, Germany, 2015, pp. 5857-5862.

C4. **Christoforos Mavrogiannis**, Minas V. Liarokapis and Kostas J. Kyriakopoulos, "Quantifying Anthropomorphism of Robot Arms", Proceedings of the 2015 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Hamburg, Germany, 2015, pp. 4084-4089.

C3. Agisilaos G. Zisimatos, Minas V. Liarokapis, **Christoforos Mavrogiannis** and Kostas J. Kyriakopoulos, "Open-Source, Affordable, Light-Weight, Underactuated Robot Hands", Proceedings of the 2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Chicago, IL, USA, 2014, pp. 3207-3212.

C2. **Christoforos Mavrogiannis**, Charalampos P. Bechlioulis, Minas V. Liarokapis and Kostas J. Kyriakopoulos, "Task-Specific Grasp Selection for Underactuated Hands", Proceedings of the 2014 IEEE International Conference on Robotics and Automation (ICRA), Hong Kong, China, 2014, pp. 3676-3681.

C1. **Christoforos Mavrogiannis**, Charalampos P. Bechlioulis and Kostas J. Kyriakopoulos, "Sequential Improvement of Grasp based on Sensitivity Analysis", Proceedings of the 2013 IEEE International Conference on Robotics and Automation (ICRA), Karlsruhe, Germany, 2013, pp. 1094-1099. [Acceptance 39%]

Refereed Workshop Papers

W8. **Christoforos Mavrogiannis**, "Social Collision Avoidance via Topological Inference", The Forgotten in HRI: Incidental Encounters with Robots in Public Spaces, Workshop in conjunction with the ACM/IEEE International Conference on Human-Robot Interaction (HRI), 2020.

W7. **Christoforos Mavrogiannis** and Ross A. Knepper, "Decentralized Navigation Planning Using Multi-Agent Trajectory Prediction Governed by Hamiltonian Dynamics", Workshop on Multi-robot Perception-Driven Control and Planning, 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Madrid, Spain, 2018.

W6. **Christoforos Mavrogiannis**, "Online Multi-Agent Trajectory Generation for Adaptive Navigation Planning", Pioneers Workshop, 2018 Robotics: Science and Systems Conference (RSS), Pittsburgh, PA, USA, 2018.

W5. **Christoforos Mavrogiannis**, Valts Blukis and Ross A. Knepper, "Inferring Strategies of Avoidance: Towards Socially Competent Navigation in Human Environments", Workshop on Mathematical Models, Algorithms and Human Robot-Interaction, 2017 Robotics Science and Systems Conference (RSS), Boston, MA, 2017.

W4. **Christoforos Mavrogiannis** and Ross A. Knepper, "Designing Algorithms for Socially Competent Robotic Navigation", Pioneers Workshop, Proceedings of the Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Vienna, Austria, 2017, pp. 357-358.

W3. **Christoforos Mavrogiannis** and Ross A. Knepper, "Towards Socially Competent Navigation of Pedestrian Environments", Workshop on Social Trust in Autonomous Robots, 2016 Robotics Science and Systems Conference (RSS), Ann Arbor, MI, 2016.

W2. **Christoforos Mavrogiannis** and Ross A. Knepper, "Interpretation and Communication of Pedestrian Intentions Using Braid Groups", Workshop on Intention Recognition in Human-Robot

Interaction, 2016 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Christchurch, New Zealand, 2016.

W1. Minas V. Liarokapis, Agisilaos G. Zisimatos, **Christoforos Mavrogiannis** and Kostas J. Kyriakopoulos, "OpenBionics: An Open-Source Initiative for the Creation of Affordable, Modular, Light-Weight, Underactuated Robot Hands and Prosthetic Devices", Arizona State University Rehabilitation Robotics Workshop, Tempe, AZ, 2014.

Theses

T2. **Christoforos Mavrogiannis**, "Motion Planning for Socially Competent Robot Navigation", Ph.D. Dissertation, Cornell University, 2019.

T1. **Christoforos Mavrogiannis**, "Grasp Synthesis Algorithms for Multifingered Robot Hands", Diploma Thesis, National Technical University of Athens (NTUA), Athens, Greece, March 2013.

Technical Reports/Preprints

TR4. **Christoforos Mavrogiannis**, Jonathan A. DeCastro, and Siddhartha S. Srinivasa, "Implicit Multiagent Coordination at Unsignalized Intersections via Multimodal Inference Enabled by Topological Braids", arXiv:2004.05205, 2020. [Under review]

TR3. Siddhartha S. Srinivasa, Patrick Lancaster, Johan Michalove, Matt Schmittle, Colin Summers Matthew Rockett, Joshua R. Smith, Sanjiban Choudhury, **Christoforos Mavrogiannis** and Fereshteh Sadeghi, "MuSHR: A Low-Cost, Open-Source Robotic Racecar for Education and Research", *CoRR*, abs/1908.08031, 2019.

TR2. George P. Kontoudis, Minas V. Liarokapis, Agisilaos G. Zisimatos, **Christoforos Mavrogiannis**, George P. Kontoudis and Kostas J. Kyriakopoulos, "How to Create Affordable, Anthropomorphic, Personalized, Light-Weight Prosthetic Hands", Control Systems Lab, School of Mechanical Engineering, National Technical University of Athens, October 2015.

TR1. Agisilaos G. Zisimatos, Minas V. Liarokapis, **Christoforos Mavrogiannis**, George P. Kontoudis and Kostas J. Kyriakopoulos, "How to Create Affordable, Modular, Light-Weight, Underactuated, Compliant Robot Hands", Control Systems Lab, School of Mechanical Engineering, National Technical University of Athens, January 2015.

Skills

Programming
C/C++, Python, Fortran, MaTLaB, R, LaTeX

Engineering Software
Solidworks, ANSYS, SolidEdge, SolidCAM, AutoCAD (ECDL 2008)

Software Frameworks
Linux, ROS, Git

Languages
English (Fluent, CPE, University of Cambridge 2006)
French (Intermediate, DALF C2 2010)
Greek (Native)

Selected Talks and Presentations

"Leveraging Structure for Autonomous Robot Navigation in Multiagent Human Spaces",

- Workshop on Machine Learning for Mobile Robot Navigation in the Wild, AAAI Fall Symposium Series, March 2021.
- Robotics Colloquium, Learning & Intelligent Systems Lab, TU Berlin, April 2021.
- Talking Robotics, May 2021.

"Motion Planning for Socially Competent Robot Navigation", Honda Research Institute USA, San Jose, CA, July 2019.

"Multi-Agent Trajectory Prediction and Generation with Topological Invariants Enforced by Hamiltonian Dynamics", Robotics Seminar, Cornell University, Ithaca, NY, November 2018.

"Socially Competent Robot Navigation"

- Robotics Colloquium, Paul G. Allen School of Computer Science and Engineering, University of Washington, Seattle, WA, USA, October 2018.
- "Socially Competent Robot Navigation", Intelligent Agents and Synthetic Characters Group Seminar, Instituto Superior Técnico, Lisbon, Portugal, November 2018.

"Inferring and Expressing Intentions in Systems of Multiple Navigating Agents", BMW Summer School, Munich, Germany, July 2018. [Spotlight and poster presentation]

"Socially Competent Navigation Planning by Deep Learning of Multi-Agent Path Topologies", A.I. Seminar, Cornell University, Ithaca NY, September 2017.

"Decentralized Multi-Agent Navigation Planning with Braids", NERC '16, Ithaca, NY, October 2016. [Spotlight and poster presentation]

"Decentralized Multi-Agent Navigation Planning with Braids", Robotics Seminar, Cornell University, Ithaca, NY, December 2016.

Student Mentoring

University of Washington

Master Theses supervised

1. Matthew Rockett, "A Data-Driven Model Predictive Controller for Quasistatic Nonholonomic Pushing", 2020.
2. Pratik Gyawali, "A Reinforcement Learning Framework for In-Hand Manipulation" [In progress]

Graduate Students mentored

1. Junha Roh, Rishabh Madan
   Project: Navigation at uncontrolled intersections [C14]
2. Kay Ke
   Project: Telemanipulation with Chopsticks [C13]
3. Matt Schmittle

Project: Nonholonomic Planar Pushing with Mobile Robots, MuSHR [TR3]

4. Gilwoo Lee
   Project: Collaborative Human-Robot Packing [C12]
5. Amal Nanavati
   Project: Enabling Robots to Ask for Help Effectively [anonymous submission]
6. Nick Walker
   Project: Generating Curiously Perceived Robot Motion
7. Patrick Lancaster
   Project: Novel actuator design for robot hands
8. Anush Gandra, Krishna Balasubramanian, Rosario Scalise
   Project: Reinforcement-Learning based social robot navigation for dynamically stable robots

Undergraduate Students mentored

1. Alen Lin
   Project: Navigation at uncontrolled intersections
2. Akkshaj Singh
   Project: Teleoperation of a Miniature Racecar Using a FPV Camera and a Radio Transceiver
3. Tudor Fanaru, Alrick Dsouza
   Project: Nonholonomic Planar Pushing with Mobile Robots
4. Stefan Layanto, Sidharth Talia, Sean Chen
   Project: Multiagent Navigation for Miniature Robotic Racecars
5. Adit Jha, Podshara Chanrugmaneekul
   Project: Multiagent task allocation for Miniature Robotic Racecars
6. Nikita Filippov,
   Project: Web Interface for Remote Teleoperation of the Kuri Robot

Cornell University

Undergraduate students mentored

1. Alena Hutchinson, John Macdonald
   Project: Experimental Evaluation of Social Robot Navigation Algorithms [C11]

Selected Press Coverage

IEEE Spectrum Video Friday, 10/16/2020: Feature on our Chopsticks robot.
Communications of the ACM, 27/08/2019: "Allen School Releases Robotic Race Car Platform to Drive Advances in AI Research, Education".
AI³ | Theory, Practice, Business, 26/08/2019: "A Low-Cost, Open-Source Robotic Racecar for Education and Research".
Wired, 10/05/2019: "These Small Cars Can Help Drive the Autonomous Future"
Import AI, 08/26/2019: "Is it a bird? Is it a plane? No, it's a MuSHR robocar!"
GeekWire, 08/21/2019: "Robotic race car platform from Univ. of Washington designed to speed research around A.I."
Allen School News, 08/21/2019: "Allen School releases MuSHR robotic race car platform to drive advances in AI research and education"
Cornell Chronicle, Jan 19, 2017: "Humans must overcome distrust of robots".

ERT (Greece National Public TV), Dec 27, 2016: Interview about OpenBionics at a morning news show.
3ders.org, Nov 5, 2015: "OpenBionics adds NFC ready fingers to 3D printed hand prosthetics for 2015 Hackaday Prize finals".
blog.atmel.com, Nov 3, 2015: "1:1 interview with Hackaday Prize finalist OpenBionics".
Hackaday.com, Oct 5, 2015: "10 finalist projects prove we can save the world".
Hackaday.com, Sept 20, 2015: "Hackaday Prize Semifinalist: OpenBionics Affordable Prosthetic Hands".
3dprint.com, Sept 23, 2015: "OpenBionics Affordable Bionic Hand is Selected as a Hackaday Prize Semifinalist".
Hackaday.com, June 17, 2015: "Hackaday Prize Entry: OpenBionics".
GoodNews.gr, May 8, 2015: "The most Affordable Prosthetic Hands will be made in Greece". [In greek]
RoboHub.com, April 9, 2015: "OpenBionics prosthetic hands: Open source, affordable, lightweight, anthropomorphic".
3ders.org, March 18, 2015: "Greek OpenBionics unveils affordable, light-weight 3D printed bionic hands with 144 grasp movements".
3DPrint.com, March 18, 2015: "OpenBionics open source prosthetic hand can execute 144 different grasps & costs under $200".

Service

International Workshop Organizer
"RSS Workshop on Social Robot Navigation", Robotics: Science & Systems (RSS) 2021, with Pete Trautman, Francesca Baldini, Marynel Vázquez, Leila Takayama, and Siddhartha Srinivasa. [in submission]

"Topology meets Robotics", Robotics: Science & Systems (RSS) 2021, with Vasileios Vasilopoulos, Claire Liang, Subhrajit Bhattacharya, Florian Pokorny, and Siddhartha Srinivasa. [in submission]

"Towards Curious Robots: Modern Approaches for Intrinsically-Motivated Intelligent Behavior", International Conference on Robotics and Automation (ICRA) 2021, with Heni Ben Amor, Soshi Iba, David Isele, and Joshua Tenenbaum.

Program Committee Member
International Joint Conference on Artificial Intelligence (IJCAI) 2021
International Symposium on Multi-Robot and Multi-Agent Systems (MRS) 2019
Pioneers Workshop, Robotics: Science and Systems (RSS) 2019
Combined Workshop on Spatial Language Understanding (SpLU) and Grounded Communication for Robotics (RoboNLP), Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL) 2019.

Reviewer
International Journal of Robotics Research (IJRR)
Robotics: Science and Systems (RSS)
IEEE Transactions on Robotics (T-RO)
IEEE Robotics and Automation Magazine (RAM)

Journal of Field Robotics (JFR)
Transactions on Human-Robot Interaction (THRI)
Frontiers in Robotics & AI
Robotics and Autonomous Systems
IEEE Transactions on Human-Machine Systems
European Journal of Control
International Workshop on the Algorithmic Foundations of Robotics (WAFR)
ACM/IEEE International Conference on Human-Robot Interaction (HRI)
ACM CHI Conference on Human Factors in Computing Systems
IEEE Robotics and Automation Letters (RA-L)
IEEE Transactions on Cognitive and Developmental Systems
IEEE International Conference on Robotics and Automation (ICRA)
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)
International Symposium on Experimental Robotics (ISER)
IEEE Mediterranean Conference on Control and Automation (MED)
IEEE/RAS International Conference on Humanoid Robots
IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics (BioRob)
IEEE International Conference on Automation Science and Engineering (CASE)
ACM/SIGGRAPH Conference on Motion, Interaction and Games (MIG)
AAAI-HRI Fall Symposium Series: Artificial Intelligence for Human-Robot Interaction

Member
Institute of Electrical and Electronics Engineers (IEEE)
Association for Computing Machinery (ACM)
IEEE Robotics and Automation Society (RAS)
IAESTE Alumni Network
Technical Chamber of Greece (TEE)