Patricia Alves-Oliveira

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University of Michigan, Department of Robotics
Ann Arbor, MI, USA

OVERVIEW

I am a hybrid of designer and researcher of robots. I create interaction patterns and frameworks for robots that enable meaningful connection with humans. My work happens at the intersection of Robotics, Design Research, and Psychology.

EXPERIENCE

Assistant Professor of Robotics   2024 - Present
University of Michigan, Ann Arbor, Michigan, US
Director of Robot Studio, a research lab on human-robot interaction

Senior UX Designer   2022 - 2023
Amazon Lab 126, San Francisco, California, US
Design for Astro

Postdoctoral Research Associate   2020 - 2022
Paul G. Allen School of Computer Science & Engineering, University of Washington, Seattle WA USA
Human-Centered Robotics Lab — PI: Prof. Maya Cakmak

Visiting Graduate Researcher   2017 - 2019
Sibley School of Mechanical and Aerospace Engineering, Cornell University, Ithaca NY USA
Human-Robot Collaboration & Companionship Lab — PI: Prof. Guy Hoffman

Research Intern   Summer 2017
Interdisciplinary Center Herzliya (IDC), Tel Avid, Israel
Media Innovation Lab (miLAB) — PI: Prof. Oren Zuckerman

Graduate Research Assistant   2013 - 2017
Computer Science Department, IST Technical Institute of Lisbon, Portugal
Group of AI for People and Society, INESC-ID — PI: Prof. Ana Paiva

EDUCATION

Ph.D., ISCTE University Institute of Lisbon   2015 - 2020
Department of Psychology
🏆 Thesis title: "Boosting Creativity in Children through Interactions with Social Robots". **Passed with Distinction.**
Committee: Ana Paiva (advisor), Guy Hoffman (advisor), Patrícia Arriaga (advisor), Jean-Christophe Giger (ext.), Cecilia Aguiar (ext.), Valentina Nisi (ext.)

M.S., Aveiro University   2010 - 2012
Department of Psychology
Masters in Clinical and Health Psychology with internship at the Hospital Afredo da Costa (Portugal)

B.S., Institute of Applied Psychology, ISPA   2006 - 2009
Department of Psychological Sciences

RAISED FUNDING

DARPA, Awarded: $1,000,000.00   2024
NSF EAGER, Awarded $300,000.00   2024
FEAST: Engineering & Arts, University of Michigan, Awarded: $8,000   2024

ACADEMIC HONORS

⭐ **Best Design Paper Award**, 18th ACM/IEEE International Conference on Human-Robot Interaction, HRI	2023
⭐ **Best Design Paper Award**, 16th ACM/IEEE International Conference on Human-Robot Interaction, HRI	2021
⭐ **EECS Rising Stars**, UC Berkeley	2020
⭐ **Future Digileader**, KTH	2020
⭐ **Postdoctoral Researcher Award** (10K), University of Washington, USA	2020
Ada Lovelace Travel Grant, Open Hardware Summit	2020
RSS Pioneer, Freiburg, Germany	2019
Dagstuhl Seminar 19411 "Social Agents for Teamwork and Group Interactions", Germany	2019
RSS Women in Robotics Travel Grant, Robotics: Science and Systems Conference, RSS	2019
⭐ **Graduate Scientific Award** (7K) , ISCTE University Institute of Lisbon, Portugal	2018, 2019
⭐ **Visiting Graduate Researcher Fellowship**, Cornell University, Ithaca, NY, USA	2017, 2019
MIT Media Lab Summer School Travel Grant, Berlin, Germany	2018
BMW Summer School Travel Grant, Munich, Germany	2018
Second Prize Best Poster and Oral Presentation Award BMW Summer School	2018
First Prize Best Serious Game Award, Serious Games Society	2017
Doctoral Consortium, ACM Interaction Design and Children Conference, IDC	2017
⭐ **Best Design Paper Award**, 11th ACM/IEEE International Conference on Human-Robot Interaction, HRI	2016
Video Award Nomination, 11th ACM/IEEE International Conference on Human-Robot Interaction, HRI	2016
Honorable Mention, XII PhD Meeting in Social and Organizational Psychology, Lisbon, Portugal	2016
⭐ **HRI Pioneer**, Christchurch, New Zealand	2016
⭐ **Graduate Research Fellowship** (3% acceptance rate), Foundation for Science and Technology, Portugal	2015-2020

TEACHING

Instructor

University of Michigan, ROB 498/599: Design for Human-Robot Interaction [website]	Winter 2024
University of Michigan, ROB 349: Human Evaluation of Robot Systems	Fall 2025 - *upcoming*

Co-Instructor

University of Washington, Directed Research Group DRG:496/596: Clinical Interventions for Robots	Summer 2020
University of Washington, Directed Research Group DRG:496/596: Deployment of a Home Robot	Fall 2020
University of Washington, Directed Research Group DRG:496/596: Robots vs Clinical Benchmarks	Winter 2020
University of Washington, Directed Research Group DRG:496/596: Hardware for a Self Care Robot	Spring 2021
University of Washington, Directed Research Group DRG:496/596: Co-Designing a Robot with Adolescents	Summer 2021
University of Washington, Directed Research Group DRG:496/596: Hardware-Software Robot Integration	Fall 2021

Teaching Assistant

University of Washington, Computer Science and Engineering Robotics Colloquium:590, all levels	Fall 2021
IST Technical Institute of Lisbon, Social Robots and Human-Robot Interaction, Graduate level	Fall 2019, 2016
ISCTE University Institute of Lisbon, Learning, Motivation and Emotions, Undergraduate level	Spring 2016
ISCTE University Institute of Lisbon, Academic Competencies, Undergraduate level	Spring 2016

Invited Lecturer

Colorado School of Mines, Human-Robot Interaction:436/536, Undergraduate level	Fall 2024
Cornell Tech, Introduction to Human-Robot Interaction	Fall 2024
University of Michigan, CSE/ROB 543: Ethics of AI and Robotics	Fall 2024
Politecnico di Torino, Italy, Cognitive Ergonomics & Human-Machine Interaction, Graduate level	Winter 2024
University of Michigan, ROB 204: Introduction to Human-Robot Systems, Undergrad level	Spring, Winter 2023
University of Massachusetts Lowell, Human-Robot Interaction:COMP5500-218, Grad/undergraduate level	Spring 2022
University of Washington, Human-Centered Design Research Discussion Seminar:547, Graduate level	Fall 2021; Spring 2023
Global Innovation Exchange, Tech Exploration Summer Program, Graduate level	Summer 2021
Cornell University, Mechanical Synthesis:2250, Undergraduate level,	Spring 2021
Colorado School of Mines, Human-Robot Interaction:436/536, Undergraduate level	Winter 2020, Fall 2021

PEER-REVIEWED CONFERENCE PROCEEDINGS

Conferences are the top-tier academic publishing venues for computer scientists. The majority of my research is published in rigorously CS peer-reviewed academic conference proceedings. The Human-Robot Interaction Conference (HRI) is considered the top conference in the field of human-robot interaction. The Robotics: Science and Systems Conference (RSS) is considered to be the top conference in the field of robotics. My collaborators come from many different disciplines, as such,

C33 🏆 *Design Principles for Robot-Assisted Feeding in Social Contexts.* Amal Nanavati*, **Patrícia Alves-Oliveira***, Tyler Schrenk, Ethan K Gordon, Maya Cakmak, Siddhartha S Srinivasa. 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI). Stockholm, Sweden. [Acceptance Rate: 24%] [pdf] [doi] [video] [materials] **Best Design Paper Award**

C32 🔓 *FLEX-SDK: An Open-Source Software Development Kit for Creating Social Robots.* **Patrícia Alves-Oliveira***, •Kai Mihata*, •Raida Karim, Elin Björling, Maya Cakmak. 2022 ACM Symposium on User Interface Software and Technology (UIST), Bend, Oregon, USA. [Acceptance Rate: 22%] [pdf] [doi] [source] [wiki] [demo] [preview]

C31 🔓 *FLEXI: A Robust and Flexible Social Robot Embodiment Kit.* **Patrícia Alves-Oliveira**, •Matthew Bavier, •Sam Malandkar, •Ryan Eldridge, •Julie Sayigh, Elin Björling, Maya Cakmak. 2022 ACM Designing Interactive Systems (DIS), Virtual [pdf] [doi] [demo] [preview] [video] [materials]

C30 *Robots for Connection: A Co-Design Study with Adolescents.* **Patrícia Alves-Oliveira**, Elin A Björling, Patriya Wiesmann, Heba Dwikat, Simran Bhatia, Kai Mihata, Maya Cakmak. 2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Naples, Italy [pdf] [doi] [materials]

C29 *"And then what happens?" Promoting Children's Verbal Creativity Using a Robot.* Maha Elgarf, Natalia Calvo-Barajas, **Patrícia Alves-Oliveira**, Giulia Perugia, Ginevra Castellano, Christopher Peters, Ana Paiva. 2022 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Virtual [Acceptance Rate: 23%] [pdf] [doi] [video] [materials]

C28 *Learning Back-channeling Behaviors for a Social Robot via Data Augmentation from Human-Human Conversations.* Michael Murray, Nick Walker, Amal Nanavati, **Patrícia Alves-Oliveira**, Nikita Filippov, Allison Sauppé, Bilge Mutlu, and Maya Cakmak. 2021 Conference on Robot Learning (CoRL), Virtual [Acceptance Rate: 34%] [pdf] [doi] [poster]

C27 *Inspiring Social Creativity in Children with a Digital Tool.* **Patrícia Alves-Oliveira**, Raquel Oliveira, Patrícia Arriaga, Ana Paiva, and Carlos Martinho. 2021 International Conference on Computational Creativity (ICCC), Virtual [pdf] [doi] [video] [materials]

C26 *Robotics-Based Interventions for Children's Creativity.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Sara Ibérico Nogueira, and Ana Paiva. 2021 ACM Creativity & Cognition Conference (C&C), Virtual [Acceptance Rate: 26%] [pdf] [doi] [video]

C25 *Collection of Metaphors for Human-Robot Interaction.* **Patrícia Alves-Oliveira**, Maria Luce Lupetti, Michal Luria, Diana Löffler, Mafalda Gamboa, Lea Albaugh, Waki Kamino, Anastasia K. Ostrowski, David Puljiz, Pedro Reynolds-Cuéllar, Marcus Scheunemann, Michael Suguitan, Dan Lockton. 2021 ACM Designing Interactive Systems (DIS), Virtual [Acceptance Rate: 24.5%] [pdf] [doi] [preview] [video]

C24 🏆 *Children as Robot Designers.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Ana Paiva, and Guy Hoffman. 2021 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Virtual [Acceptance Rate: 23%] [pdf] [doi] [video] **Best Design Paper Award**

C23 *Creative Encounters Between Children and Robots.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Matt Cronin, Guy Hoffman, and Ana Paiva. 2020 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Virtual [Acceptance Rate: 23.6%] [pdf] [doi] [video] [materials]

C22 *Effects of Distinct Robot Navigation Strategies on Human Behavior in a Crowded Environment.* Christoforos Mavrogiannis, Alena M. Hutchinson, John Macdonald, **Patrícia Alves-Oliveira**, and Ross A. Knepper. 2019 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Daegu, Republic of Korea [Acceptance Rate: 24%] [pdf] [doi]

C21 *Friends or Foes? Socioemotional Support and Gaze Behaviors in Mixed Groups of Humans and Robots.* Raquel Oliveira, Patrícia Arriaga, **Patrícia Alves-Oliveira**, •Filipa Correia, Sofia Petisca, and Ana Paiva. 2018 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Chicago, IL, USA [Acceptance Rate: 23.8%] [pdf] [doi] [materials]

C20 *'Me and You Together' Movement Impact in Multi-User Collaboration Tasks.* •Miguel Faria, Rui Silva, **Patrícia Alves-Oliveira**, Francisco S. Melo, and Ana Paiva. 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Vancouver, BC, Canada [Acceptance Rate: 45.4%] [pdf] [doi]

C19   *CUBUS: Autonomous Embodied Characters to Stimulate Creative Idea Generation in Groups of Children.* •André Pires, **Patrícia Alves-Oliveira**, Patrícia Arriaga, Carlos Martinho. 2017 ACM International Conference on Intelligent Virtual Agents (IVA) Stockholm, Sweden [Acceptance Rate: 22%] [pdf] [doi]

C18   *A Social Robot as a Card Game Player.* •Filipa Correia, **Patrícia Alves-Oliveira**, Tiago Ribeiro, Francisco S. Melo, and Ana Paiva. 2017 AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE) Snowbird, Utah, US [Acceptance Rate: 27%] [pdf] [doi]

C17   *Groups of Humans and Robots: Understanding Membership Preferences and Team Formation.* •Filipa Correia, Sofia Petisca, **Patrícia Alves-Oliveira**, Tiago Ribeiro, Francisco S. Melo, and Ana Paiva. 2017 Robotics: Science and Systems (RSS) Cambridge, Massachusetts, USA [Acceptance Rate: 30%] [pdf] [doi] [video]

C16   *Students' Normative Perspectives on Classroom Robots.* Sofia Serholt, Wolmet Barendregt, Dennis Küster, Aidan Jones, **Patrícia Alves-Oliveira**, and Ana Paiva. 2016 Robophilosophy/TRANSOR Aarhus, Denmark [pdf] [doi]

C15   *A Study on Trust in a Robotic Suitcase.* Beatriz Q. Ferreira, Kelly Karipidou, Filipe Rosa, Sofia Petisca, **Patrícia Alves-Oliveira**, and Ana Paiva. 2016 Springer International Conference on Social Robotics (ICSR) Kansas City, MO, USA [pdf] [doi]

C14   *An Interactive Tangram Game for Children with Autism.* •Beatriz Bernardo, **Patrícia Alves-Oliveira**, Maria Graça Santos, Francisco S. Melo, and Ana Paiva. 2016 ACM International Conference on Intelligent Virtual Agents (IVA) Los Angeles, CA, USA [Acceptance Rate: 22%] [pdf] [doi]

C13   *Follow Me: Communicating Intentions with a Spherical Robot.* •Miguel Faria, •Andrea Costigliola, **Patrícia Alves-Oliveira**, and Ana Paiva. 2016 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) New York City, New York, USA [Acceptance Rate: 47%] [pdf] [doi]

C12   *'Just Follow the Suit!' Trust in Human-Robot Interactions During Card Game Playing.* •Filipa Correia, **Patrícia Alves-Oliveira**, •Nuno Maia, Tiago Ribeiro, Sofia Petisca, Francisco S. Melo, and Ana Paiva. 2016 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) New York City, New York, USA [Acceptance Rate: 47%] [pdf] [doi]

C11   *The Role that an Educational Robot Plays.* **Patrícia Alves-Oliveira**, Pedro Sequeira, and Ana Paiva. 2016 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) New York City, New York, USA [Acceptance Rate: 47%] [pdf] [doi] [slides]

C10   *Emotional Sharing Behavior for a Social Robot in a Competitive Setting.* Sofia Petisca, João Dias, **Patrícia Alves-Oliveira**, and Ana Paiva. 2016 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) New York City, New York, USA [Acceptance Rate: 47%] [pdf] [doi]

C9   *Children's Peer Assessment and Self-Disclosure in the Presence of an Educational Robot.* •Shruti Chandra, **Patrícia Alves-Oliveira**, Séverin Lemaignan, Pedro Sequeira, Ana Paiva, and Pierre Dillenbourg. 2016 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) New York City, NY, USA [Acceptance Rate: 47%] [pdf] [doi] [slides]

C8   *Discovering Social Interaction Strategies for Robots from Restricted-Perception Wizard-of-Oz Studies.* Pedro Sequeira, **Patrícia Alves-Oliveira**, Tiago Ribeiro, Eugenio Di Tullio, Sofia Petisca, Francisco S. Melo, Ginevra Castellano, and Ana Paiva. 2016 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Christchurch, New Zealand [Acceptance Rate: 25%] [pdf] [doi] **Best Design Paper Award**

C7   *Synthesizing Robotic Handwriting Motion by Learning from Human Demonstrations.* Hang Yin, **Patrícia Alves-Oliveira**, Francisco S. Melo, Aude Billard, and Ana Paiva. 2016 ACM International Joint Conference on Artificial Intelligence (IJCAI) New York, NY, USA [Acceptance Rate: 24%] [pdf] [doi]

C6   *Can a Child Feel Responsible for Another in the Presence of a Robot in a Collaborative Learning Activity?* •Shruti Chandra, **Patrícia Alves-Oliveira**, Séverin Lemaingam, Pedro Sequeira, Ana Paiva, and Pierre Dillenbourg. 2015 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) Kobe, Japan [Acceptance Rate: 84%] [pdf] [doi]

C5   *Empathic Robotic Tutors for Personalised Learning: A Multidisciplinary Approach.* Aidan Jones, Dennis Küester, Christina A. Basedow, **Patrícia Alves-Oliveira**, Sofia Serholt, Helen Hastie, Lee J. Corrigan, Wolmet Barendregt, Arvid Kappas, Ana Paiva, and Ginevra Castellano. 2015 Springer International Conference on Social Robotics (ICSR) Paris, France [pdf] [doi]

C4   *Designing Robotic Teaching Assistants: Interaction Design Students' and Children's Views.* Mohammad Obaid, Wolmet Barendregt, **Patrícia Alves-Oliveira**, Ana Paiva, Morten Fjeld. 2015 Springer International Conference on Social Robotics (ICSR) Paris, France France [pdf] [doi]

C3   *Social Robots for Older Adults: Framework of Activities for Aging in Place with Robots.* **Patrícia Alves-Oliveira**, Sofia Petisca, •Filipa Correia, •Nuno Maia, and Ana Paiva. 2015 Springer International Conference on Social Robotics (ICSR) Paris, France [pdf] [doi] [slides] [poster]

C2   *Empathic Robotic Tutor for School Classrooms: Considering Expectation and Satisfaction of Children as End-Users.* **Patrícia Alves-Oliveira**, Tiago Ribeiro, Sofia Petisca, Eugenio Di Tullio, Francisco S. Melo, and Ana Paiva. 2015 Springer International Conference on Social Robotics (ICSR) Paris, France [pdf] [doi][slides]

C1   *Towards Dialogue Dimensions for a Robotic Tutor in Collaborative Learning Scenarios.* **Patrícia Alves-Oliveira**, Srini Janarthanam, Ana Candeias, Amol Deshmukh, Tiago Ribeiro, Helen Hastie, Ana Paiva, and Ruth Aylett. 2014 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) [Acceptance Rate: 72%] [pdf] [doi] [poster]

JOURNAL ARTICLES

J13 ★   *Connecting the Dots of Social Robot Design From Interviews With Robot Creators.* **Patrícia Alves-Oliveira**, •Alaina Orr, Elin Björling, Maya Cakmak. 2022 Frontiers in Robotics and AI. Invited publication for the Research Topic "Rising Stars in Human-Robot Interaction" [Impact Factor: 4.331] [pdf] [doi]

J12   *Designing for Culturally Responsive Social Robots: An Application of a Participatory Framework.* Elin Björling, Belinda Louie, Annie Camey Kuo, **Patrícia Alves-Oliveira**. 2022 Frontiers in Robotics and AI [Impact Factor: 4.331] [doi]

J11   *Robot-Mediated Interventions for Youth Mental Health.* **Patrícia Alves-Oliveira**, Tanya Budhiraja, Samuel So, Raida Karim, Elin Björling, Maya Cakmak. 2022 Design for Health, 1-25 [pdf] [doi]

J10   *I Am the Robot: Teen Collaboration in an Asymmetric, Virtual Reality Game.* Elin A. Björling, Ada Kim, Katelynn Oleson, **Patrícia Alves-Oliveira**. 2022 Frontiers in Virtual Reality Virtual Reality and Human Behaviour, 2:746521 [pdf] [doi]

J9   *Creativity Landscapes: Systematic Review Spanning 70 Years of Research on Creativity Interventions for Children.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Guy Hoffman, and Ana Paiva. 2021 The Journal of Creative Behavior, 55(2), pp. 1-25 [Impact Factor: 2.661] [pdf] [doi] [materials]

J8 🔓   *Software Architecture for YOLO, a Creativity-Stimulating Robot.* **Patrícia Alves-Oliveira**, •Samuel Gomes, •Ankita Chandak, •André Pires, Patrícia Arriaga, Guy Hoffman, and Ana Paiva. 2020 SoftwareX Journal 11(100461):1-8 [Impact Factor: 1.959] [pdf] [doi] [source] [wiki]

J7 🔓   *Guide to Build YOLO, a Creativity-Stimulating Robot for Children.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Ana Paiva, and Guy Hoffman. 2019 HardwareX 6(e00074):1-15 [Impact Factor: 2.936] [pdf] [doi] [source]

J6   *Humanization of Robots: Is it Really such a Good Idea?* Jean-Christophe Giger, Nuno Piçarra, **Patrícia Alves-Oliveira**, Raquel Oliveira, and Patrícia Arriaga. 2019 Human Behavior and Emerging Technologies 1(2):111-123 [pdf] [doi]

J5 ★   *Empathic Robot for Group Learning: A Field Study.* **Patrícia Alves-Oliveira**, Pedro Sequeira, Francisco S. Melo, Ginevra Castellano, and Ana Paiva. 2019 ACM Transactions on Human-Robot Interaction (THRI), 8(1):1-34 [Impact Factor: 3.62] [pdf] [doi] [slides] **Invited presentation at ACM/IEEE HRI Conference 2019**

J4 ★   *'I Choose... YOU!' Membership Preferences in Human-Robot Teams.* •Filipa Correia, Sofia Petisca, **Patrícia Alves-Oliveira**, Tiago Ribeiro, Francisco S. Melo, and Ana Paiva. 2018 Autonomous Robots 43(2):359-373 [Impact Factor: 3.602] [pdf] [doi] **Invited submission**

J3   *Influence of Body Odors and Gender on Perceived Genital Arousal.* **Patrícia Alves-Oliveira**, Joana Carvalho, Jacqueline Ferreira, Laura Alho, Pedro Nobre, Mats J. Olsson, and Sandra Soares. 2018 Archives of Sexual Behavior 47(3):661-668 [Impact Factor: 3.458] [pdf] [doi]

J2   *The Case of Classroom Robots: Teachers' Deliberations on the Ethical Tensions.* Sofia Serholt, Wolmet Barendregt, Asimina Vasalou, **Patrícia Alves-Oliveira**, Aidan Jones, Sofia Petisca, and Ana Paiva. 2017 AI & SOCIETY 32(4):613-631 [Impact Factor: 1.61] [pdf] [doi]

J1   *Looking for Conflict: Gaze Dynamics in a Dyadic Mixed-Motive Game.* Joana Campos, **Patrícia Alves-Oliveira**, and Ana Paiva. 2015 Autonomous Agents and Multi-Agent Systems 30(1):112-135 [Impact Factor: 1.606] [pdf] [doi]

BOOK CHAPTERS

B3   *Metaphors.* **Patricia Alves-Oliveira**. In Lupetti, M. L., Zaga, C., Cila, N., Šabanović, S., and Jung, M. F. (Eds.) Designing Interactions with Robots Methods and Perspectives. Taylor & Francis Group [doi] Designing Interactions with Robots: Methods and Perspectives. CRC Press, 2024.

B2   *An Extended Framework for Characterizing Social Robots.* *Kim Baraka, ***Patrícia Alves-Oliveira**, and Tiago Ribeiro. In Jost C. et al. (Eds) Human-Robot Interaction. Springer Series on Bio- and Neurosystems, vol 12:21-64, 2020. Springer, Cham. *equal contribution [pdf] [doi]

B1   *Towards More Humane Machines: Creating Emotional Social Robots.* •Filipa Correia, Sofia Petisca, Samuel Mascarenhas, Ana Paiva, and **Patrícia Alves-Oliveira**. In S. G. Silva (Eds), New Interdisciplinary Landscapes in Morality and Emotion 2018 [pdf] [doi]

ABSTRACTS, VIDEOS, & WORKSHOP PAPERS

A4   *Community-Based Data Visualizationfor Mental Well-being with a Social Robot.* •Raida Karim, •Yufei Zhang, **Patrícia Alves-Oliveira**, Elin Björling, Maya Cakmak. 2022 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Late-Breaking Report (LBR), Virtual [pdf] [doi] [demo]

A3   *YOLO – A Robot that will Make Your Creativity BOOM.* **Patrícia Alves-Oliveira**, •Ankita Chandak, •Ian Cloutier, •Priyanka Kompella, •Peter Moegenburg, and •André Pires. Student Design Competition. 2018 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Chicago, IL, USA [pdf] [doi]

A2   *YOLO, A Robot for Creativity: A Co-Design Study with Children.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Ana Paiva, and Guy Hoffman. Late Breaking Report. 2017 SIGCHI Conference on Interaction Design and Children (IDC) Stanford, CA, USA [pdf] [doi]

A1   *Child-Robot Interaction: Social Bonding, Learning and Ethics.* Wolmet Barendregt, Sofia Serholt, Arvid Kappas, Christina Basedow, Ana Paiva, **Patrícia Alves-Oliveira**, Asimina Vasalou, and Carl Heath. 2014 SIGCHI Interaction Design for Children (IDC) Aarhus, Denmark [pdf]

V5   *Unintended Failures of Robot-Assisted Feeding in Social Contexts.* Amal Nanavati, **Patrícia Alves-Oliveira**, Tyler Schrenk, Ethan K Gordon, Maya Cakmak, Siddhartha S Srinivasa. 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI). Stockholm, Sweden. [pdf] [doi] [video]

V4   *YOLO – Your Own Living Object.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Ana Paiva, and Guy Hoffman. 2020 ACM/IEEE International Conference on Human-Robot Interaction (HRI) [pdf] [doi] [video]

V3   *Building a Social Robot as a Game Companion in a Card Game.* •Filipa Correia, Tiago Ribeiro, **Patrícia Alves-Oliveira**, •Nuno Maia, Francisco S. Melo, and Ana Paiva. 2016 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Christchurch, New Zealand [pdf] [doi] [video] **Best Video Award Nomination**

V2 *Map Reading With an Empathic Robot Tutor.* Lynne Hall, Colette Hume, Sarah Tazzyman, Amol Deshmukh, Srini Janarthanam, Helen Hastie, Ruth Aylett, Ginevra Castellano, Fotios Papadopoulos, Aidan Jones, Lee Corrigan, Ana Paiva, **Patrícia Alves-Oliveira**, Tiago Ribeiro, Wolmet Barendregt, Sofia Serholt, Arvid Kappas, and Lee J. Corrigan. 2016 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Christchurch, New Zealand [pdf] [doi] [video]

V1 *The Empathic Robotic Tutor: Featuring the NAO Robot.* Tiago Ribeiro, **Patrícia Alves-Oliveira**, Eugenio Di Tullio, Sofia Petisca, Pedro Sequeira, Amol Deshmukh, Srini Janarthanam, Mary Ellen Foster, Aidan Jones, Lee J. Corrigan, Fotios Papadopoulos, Helen Hastie, Ruth Aylett, Ginevra Castellano, and Ana Paiva. 2015 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Portland, OR, USA [pdf] [doi] [video]

W16 *Multiple Ways of Working with Users to Develop Physically Assistive Robots.* Amal Nanavati, Max Pascher, Vinitha Ranganeni, Ethan K Gordon, Taylor Kessler Faulkner, Siddhartha S Srinivasa, Maya Cakmak, **Patricia Alves-Oliveira**, Jens Gerken. 2024 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Workshop. Boulder, Colorado, US Workshop: [website] [pdf] [doi]

W15 *Workshop YOUR Study Design 2024! Participatory Critique and Refinement of Participants' Studies.* Mayumi Mohan, Joana Brito, Anouk Neerincx, **Patrícia Alves-Oliveira**, Naomi T Fitter. 2024 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Workshop. Boulder, Colorado, US [doi] [website]

W14 *Workshop YOUR Study Design 2023! Participatory Critique and Refinement of Participants' Studies.* Mayumi Mohan, Anouk Neerincx, **Patrícia Alves-Oliveira**, Naomi T Fitter. 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Workshop. Stocholkm, Sweden. [pdf] [doi] [website]

W13 *Collecting Insights into How Novice Programmers Naturally Express Programs for Robots.* Rajeswari Hita Kambhamettu, Vinitha Ranganeni, **Patrícia Alves-Oliveira**, Michael Jae-Yoon Chung. Participatory Design and End-User Programming for Human-Robot Interaction. Workshop at 2022 ACM/IEEE International Conference on Human-Robot Interaction (HRI), Virtual [pdf] [website]

W12 *Robot Exterior for Life Transitions.* **Patrícia Alves-Oliveira**. Designing Functional Clothing for Human-Robot Interaction. Workshop at 2021 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Virtual [pdf] [website]

W11 *Creativity and Robotics.* **Patrícia Alves-Oliveira**, Vasanth Sarathy, Amy LaViers, Goren Gordon, Peter Khan, and Maya Cakmak. Workshop at 2020 Springer International Conference on Social Robotics (ICSR) Virtual [pdf] [website]

W10 *Metaphors for Human-Robot Interaction.* **Patrícia Alves-Oliveira**, Maria Luce Lupetti, Michal Luria, and Diana Löffler. Workshop at 2020 Springer International Conference on Social Robotics (ICSR) Virtual [pdf] [website]

W9 *Robots for Social Good: Exploring Critical Design for HRI.* Hee Rin Lee, EunJeong Cheon, Maartje de Graaf, **Patrícia Alves-Oliveira**, Cristina Zaga, and James Young. 2019 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Daegu, Korea [pdf] [doi] [website]

W8 *Sparking Creativity With Robots: A Design Perspective.* **Patrícia Alves-Oliveira**, Silvia Tulli, Philipp Wilken, Ramona Merhej, João Gandum, and Ana Paiva. Robots for Social Good: Exploring Critical Design for Human-Robot Interaction. Workshop at 2019 ACM/IEEE International Conference on Human-Robot Interaction (HRI) Deagu, South Korea [pdf] [slides] [website]

W7 *YOLO: A Robot Designed to Boost Creativity in Children.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Guy Hoffman, and Ana Paiva. User-centred methods in human-robot interaction. Workshop at 2018 IEEE/RSJ International Conference on Intelligence Robots (IROS) Madrid, Spain [pdf] [website]

W6 *A Big Applause for CUBUS: A Virtual Sandbox to Stimulate Ideas in Children.* André Pires, **Patrícia Alves-Oliveira**, and Carlos Martinho. Co-Creation. Workshop at 2017 International Conference on Computational Creativity (ICCC) Atlanta, Georgia, USA [pdf] [website]

W5 *Multiple Robots for Multiple Children: Co-Designing Movement for Robots With Personality.* **Patrícia Alves-Oliveira**, Patrícia Arriaga, Guy Hoffman, and Ana Paiva. Groups in Human-Robot Interaction. Workshop at 2017 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) Lisbon, Portugal [pdf] [slides]

W4   *Groups of Humans and Robots: The AMIGOS Project.* •Filipa Correia, Patrícia Arriaga, Sofia Petisca, **Patrícia Alves-Oliveira**, Raquel Oliveira, Samuel Mascarenhas, Iolanda Leite, Francisco S. Melo, and Ana Paiva. Groups in Human-Robot Interaction. Workshop at 2017 IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN) Lisbon, Portugal [pdf] [slides]

W3   *Challenges in Child-Robot Interaction: The Cases of Two Research Projects.* **Patrícia Alves-Oliveira**, and Ana Paiva. Child-Robot Interaction: Research, Methodology, and Best Practices. Workshop at 2015 Springer International Conference on Social Robotics (ICSR) Paris, France [pdf]

W2   *From Thalamus to Skene: High-Level Behavior Planning and Managing for Mixed-Reality Characters.* Tiago Ribeiro, André Pereira, Eugenio Di Tullio, **Patrícia Alves-Oliveira**, and Ana Paiva. Architectures and standards for IVAs. Workshop at 2014 ACM Intelligence Virtual Agents (IVA). Boston, MA, USA

W1   *'How do You Imagine Robots?' Children's Expectations About Robots.* **Patrícia Alves-Oliveira**, Sofia Petisca, Srini Janarthanam, Helen Hastie, and Ana Paiva. Social Bonding, Learning, and Ethics Workshop at 2014 ACM Interaction Design for Children (IDC) Aarhus, Denmark [pdf]

TECHNICAL REPORTS

TR6   *Datasets with Humans and Agents in Groups* **Patrícia Alves-Oliveira**, Elisabeth André, Tony Belpaeme, •Filipa Correia, Kobi Gal, James Kennedy, Iolanda Leite, Catharine Oertel, and André Pereira (2020). Social Agents for Teamwork and Group Interactions, pp.7. Seminar 19411, Schloss Dagstuhl. Leibniz Center for Informatics, Wadern, Germany [pdf] [website]

TR5   *Human-Agent and Human-Robot Groups,* **Patrícia Alves-Oliveira**, Mary Ellen Foster, Hatice Gunes, Sviatlana Höhn, Franziska Kirstein, Andrea Marrella, Mark Neerincx, Michio Okada, Ana Paiva, Elisabeth Sklar, and Hannes Högni Vilhjálmsson (2020). Social Agents for Teamwork and Group Interactions, pp. 37. Seminar 19411, Schloss Dagstuhl. Leibniz Center for Informatics, Wadern, Germany [pdf] [website]

TR4   *Reports on the 2016 AAAI Fall Symposium Series.* **Patrícia Alves-Oliveira**, Richard G. Freedman, Dan Grollman, Laura Herlant, Laura Humphrey, Fei Liu, Ross Mead, Frank Stein, Tom Williams, and Shomir Wilson. AI Magazine [pdf] [website]

TR3   *Psychological Science in HRI: Striving for a More Integrated Field of Research.* **Patrícia Alves-Oliveira**, Dennis Küster, Arvid Kappas, and Ana Paiva. 2016 Artificial Intelligence and Human-Robot Interaction Symposium, AI-HRI, AAAI Fall Symposium Series. Arlington, VA, USA [pdf] [slides] [website]

TR2   *'It's Amazing, We are All Feeling It!' Emotional Climate as a Group-Level Emotional Expression in HRI.* **Patrícia Alves-Oliveira**, Pedro Sequeira, Eugenio Di Tullio, Sofia Petisca, Carla Guerra, and Ana Paiva. 2015 Artificial Intelligence and Human-Robot Interaction Symposium, AI-HRI, AAAI Fall Symposium Series. Arlington, VA, USA [pdf] [slides] [website]

TR1   *Meet Me Halfway: Eye-Behaviour as an Expression of Robot's Language.* **Patrícia Alves-Oliveira**, Eugenio Di Tullio, Tiago Ribeiro, and Ana Paiva. Artificial Intelligence and Human-Robot Interaction Symposium, AI-HRI. AAAI Fall Symposium Series. Arlington, VA, USA [pdf] [slides] [website]

MENTORING

Ph.D. Students

Atharva Kashyap	2024 →
Connor Williams	2024 →
Grace Pan	2024 →

M.S. Students

Aleena Qaiser	2024 →
Emily Wu	2024 →
Erfun Ackley	2024 →
Jeffrey Qiu	2024 →
Ilkyaz Sarimehmetoglu	2024 →
Melodie Jaeger	2024 →
Zhixuan Chen	2024 →

Undergraduate Students

Angshu Adhya		2024 →
Cindy Yang		2024 →
Jiali Zheng		2024 →
Rishad Hasan		2024 →
Trey Davis		2024 →

Students mentored during Postdoc at the University of Washington

Name	Degree	Co-author	Years
Nick Walker	PhD CS UW	co-author C28	2021 →
Amal Nanavati	PhD CS UW	co-author C28	2021 →
Michael Murray	PhD CS UW	co-author C28	2021 →
Leah Perlmutter	PhD CS UW		2020 → *Grinnell College*
Vinitha Ranganeni	PhD CS UW		2021 → *Hello Robot*
Hita Kambhamettu	BS CS CMU		2021 → *PhD UPenn*
Tony Li	BS CS UW		2021 → *PhD UW*
Edgar Lopez	BS CS UW		2021 →
Vijayalaxmi Padmanabhan	MS HCDE UW		2021 → *Nutanix*
Katelynn Oleson	BS CS UW	co-author J10	2021 → *Hiya Inc.*
Eeshani Mondal	BS HCDE UW		2021 →
Julie Sayigh	BS HCDE UW	co-author P1	2021 → *City of Seattle*
Sam Malandkar	MS HCDE UW	co-author P1	2021 → *Walmart*
Yufei Zhang	BS Economics UW	co-author A5	2021 →
Raida Karim	BS CS UW	co-author A5, P1	2020 →
Matthew Bavier	MS Electr. Eng. UW	co-author P1	2020 → *Texas Instruments*
Addie Bjornson	BS HCDE UW		2020 → *USAFacts*
Alaina Orr	MS HCDE UW	co-author R3	2021
Ajita Shukla	MS HCDE UW		2020 → *Chan Zuckerberg*
Chris Sim	MS HCDE UW		2020 → *Flexport*
Fengwei Han	BS IS UW		2020 → *FrontRock Inc.*
Heba Dwikat	MS HCDE UW		2020 → *Philips*
Julie Zhu	MS IS UW		2020 → *Microsoft*
Kai Mihata	BS CS UW	co-author P1	2020 → *Microsoft*
Lia Johansen	BS HCDE UW		2020 → *2021*
Mehul Joshi	BS CS UW		2020 → *Amazon*
Nora Morsi	BS CS UW		2020 → *Amazon*
Patriya Wiesmann	MS HCDE UW		2020 → *Microsoft*
Tanya Budhiraja	BS CS IIIT-Delhi UW REU		2020 → *2021*
Tatum Lindquist	BS HCDE UW		2020 → *2021*
Samuel So	BS CS Pomona College, UW REU		2020 → *Univ Washington*
Simran Bathia	BS IS UW	co-author R2	2020 → *Berkeley*
Succhi Sridhar	BS CS UW		2020 → *Nike*
Yuchen Wang	BS IS UW		2020 → *2021*

Co-Advised during my Ph.D. studies

Name	Degree	Co-author	Years
Albert Chu	BS Mech. Eng. Cornell		2018 → *Form Factor Inc*
Priyanka Kompella	BS Mech. Eng. Cornell	co-author A3	2018 → *Relativity Space*
Rebecca Coopper	BS Mech. Eng. Cornell		2018 → *MS Cornell*
Ankita Chandak	MS CS Cornell	co-author A3	2017 → *Microsoft*
Ian Cloutier	MS Mech. Eng. Cornell	co-author A3	2017 → *VulcanForms Inc*
Peter Moegenburg	MS Mech. Eng. Cornell	co-author A3	2017 → *Opentrons*
Samuel Gomes	PhD CS IST University of Lisbon	co-author J8	2019 → 2020
André Pires	MS CS IST University of Lisbon	co-author C19, J8, W6, A3	2017 → *CloudNC*
Elmira Yadollahi	PhD CS EPFL		2017 → *KTH*
Andrea Costigliola	MS CS IST University of Lisbon	co-author C13	2016 → *Hovione*
Beatriz Bernardo	MS CS IST University of Lisbon	co-author C14	2016 →*Volkswagen*
Filipa Correira	PhD CS IST University of Lisbon	co-author W4, V3, B1, C (3, 12, 18, 21)	2016 → 2018

Miguel Faria	PhD CS IST University of Lisbon	co-author C13, C20	2016 → 2018
Nuno Maia	MS CS IST University of Lisbon	co-athur C3, C12	2016 → *Trouva*
Shruti Chandra	PhD CS EPFL	co-author C6, C9	2016 → *Waterloo Univ.*
Andreia Nóbrega	MS Psychology ISCTE		2018 → *Samsung*
Ana Bispo	MS Psychology ISCTE		2017 → 2018

INVITED TALKS

- **FARI - AI for the Common Good**, on "Envisioning AI, Data and Robotics' Role in Culture, Arts, and Society" November 2024
  Keynote & Panel
- **Disability Visibility Symposium**, University of Michigan, Mechanical Engineering March 2024
  Keynote
- **Summer Program**, Open-Style Lab June 2024
  Invited talk
- **AI-HRI Symposium**, AAAI Fall Symposium Series October 2023
  Keynote
- **EPFL**, School of Computer and Communication Sciences April 2022
  Invited talk
- **Stanford University**, Human Centered Artificial Intelligence April 2022
  Invited talk
- **University of Indiana Bloomington**, Human-Computer Interaction Mar 2022
  Invited talk
- **Human-Robot Interaction Conference, HRI Pioneers** Mar 2022
  Panelist
- **Northwestern University**, Human-Computer Interaction Feb 2022
  Invited talk
- **University of Michigan-Ann Arbor**, Robotics Feb 2022
  Invited talk
- **Max Plank Institute, Scientific Symposium** Jan 2022
  Invited talk
- **George Mason University, Center for Advancing Human-Machine Partnership (CAHMP) Seminar** Dec 2021
  "Robots for Health and Education"
- **AAAI AI-HRI Symposium** Nov 2021
  Panelist: "The Future of AI-HRI"
- **New Mexico State University Seminar** Nov 2021
  "Robots for Health and Education"
- **Design Use Build (DUB) Seminar** Jul 2021
  "Metaphors for Human-Robot Interaction"
- **RSS Workshop Robotics x Arts** Jul 2021
  Panelist: "Opportunities and Issues in Robotics Applied in the Arts"
- **University of Chicago, HCI Club** Mar 2021
  "Robots in Context"
- **University of Washington, Undergrad Research Symposium** Mar 2021
  Session Moderator
- **ACM Creativity & Cognition Conference** Mar 2021
  Session Moderator
- **Human Robot Interaction Conference, Workshop Measuring Child-Robot Relationships** Mar 2021
  Debates Moderator
- **NSF National Robotics Initiative & Foundational Research in Robotics Principal Investigators' Meeting** Feb 2021
  "Design and Development of a Social Robot to Gather Ecological Momentary Stress Data from Teens"
- **Uppsala University, Social Robotics Lab** Mar 2020
  "Creativity Encounters Between Children and Robots"
- **Portuguese Foundation for Science and Technology** Nov 2018
  "YOLO, A Robot that will Make Your Creativity BOOM"
- **OzCHI Workshop Towards an Agenda for Sci-Fi Inspired HCI Research** Dec 2016
  "Does Science Fiction Culture Influences Expectation and Satisfaction Levels when Interacting with Social Robots?"

SERVICE

PROPOSAL EVALUATION

· NSF Proposal Evaluation Panel   2021, 2023, 2024x2
· Netherlands - NWA ORC   2022

REVIEWER

· *I perform between 15-20 reviews per year. I keep my review log using Publons. Note that not all the reviews I performed are registered in Publons as not all venues send an email confirmation when I submit a review, which is required for logging a review in Publons.*
· 🏆 ACM Human-Computer Interaction (CHI), Recognized for Excellence in Reviewing in 2018
· IEE/ACM International Conference on Human-Robot Interaction (HRI)
· ACM Designing Interactive Systems (DIS)
· ACM International Conference on Tangible, Embedded and Embodied Interaction (TEI)
· ACM Interaction Design and Children conference (IDC)
· Robotics: Science and Systems (R:SS)
· IEEE International Conference on Robotics and Automation (ICRA)
· IEEE International Conference on Robot and Human Interactive Communication (Ro-MAN)
· ★ ACM Computer-supported cooperative work (CSCW), Accepted in the CSCW 2019 Student-Reviewer Mentor Program
· ACM International Conference on Multimodal Interaction (ICMI)
· IEEE Conference of the Association for the Advancement of Affective Computing (ACII)
· ACM SIGCHI CHIPLAY
· AAAI-HRI Fall Symposium Series: Artificial Intelligence for Human-Robot Interaction
· ACM Human-Agent Interaction (HAI)
· Springer International Conference on Social Robotics (ICSR)
· ACM Creativity and Cognition (C&C)
· ACM Intelligent Virtual Agents Conference (IVA)
· APA Technology, Mind, Society
· Creativity Research Journal
· HardwareX Journal
· International Journal of Social Robotics (IJSR)
· International Journal of Child-Computer Interaction(IJCCI)
· Interaction Studies
· Transactions in Human-Robot Interaction (THRI)
· Transactions on Computer-Human Interaction
· Frontiers in Robotics and AI
· Frontiers in Psychology
· Frontiers in Human-Robot interaction

WORKSHOP ORGANIZATION

"Workshop YOUR Study Design 2024! Participatory Critique and Refinement of Participants' Studies"   2022
ACM/IEEE International Conference on Human Robot-Interaction (HRI)
Co-organizers: Mayumi Kambhamettu, Joana Brito,m Anouk Neerincx, Naomi Fitter [website]

"Workshop YOUR Study Design 2023! Participatory Critique and Refinement of Participants' Studies"   2022
ACM/IEEE International Conference on Human Robot-Interaction (HRI)
Co-organizers: Mayumi Kambhamettu, Anouk Neerincx, Naomi Fitter [website]

"Participatory Design in Human-Robot Interaction"   2022
IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)
Co-organizers: Anastasia K. Ostrowski, Mafalda Samuelsson-Gamboa, Nikolas Martelaro

"Towards a Common Understanding and Vision For Theory-Grounded Human-Robot Interaction (THEORIA)"   2022
ACM/IEEE International Conference on Human-Robot Interaction (HRI)
Co-organizers: Glenda Hannibal, Theresa Law, Nicholas Rabb [website]

"Metaphors for Human-Robot Interaction" 2021
Springer International Conference on Social Robotics (ICSR)
Co-organizers: Maria Luce Lupetti, Michal Luria, Diana Löffler [website]
★ Outcome: Publication C25

"Creativity and Robotics" 2021
Springer International Conference on Social Robotics (ICSR)
Co-organizers: Vasanth Sarathy, Goren Gordon, Amy LaViers, Maya Cakmak, Peter Kahn [website]
★ Outcome: Special Issue in Frontiers in Robotics & AI.

"Robots for Social Good: Exploring Critical Design for HRI" 2019
IEEE/ACM International Conference on Human-Robot Interaction (HRI)
Co-organizers: Hee Rin Lee, EunJeong Cheon, Maartje de Graaf, Cristina Zaga, James Young [website]

"Child-Robot Interaction: Social Bonding, Learning and Ethics." 2014
ACM Interaction Design and Children conference (IDC)
Co-organizers: Wolmet Barendregt, Sofia Serholt, Arvid Kappas, Christina Basedow, Ana Paiva

COMMUNITY SERVICE

Open Style Lab (non profit) 2022 - present
Research Advisor. [website]

Talking Robotics 2019 - 2022
Co-founder of a series of bi-weekly virtual seminars about robotics and adjacent fields. Currently service on Advisory Board.
[website] [youtube] [twitter]
Audience: more than a thousand of researchers worldwide and more than 30 speakers.
Co-founders: Silvia Tulli, Miguel Vasco, Kush Desai.
★ Sponsors: Semio and PAL Robotics

ICRA Debates 2021
Debates with senior experts in the field of robotics to inspire the future developments of the field [website]
Co-organizers: Jaime Fernández Fisac, Felix von Drigalski, Brian Wang, Maíra Saboia, Matthew Giamou, Sarah Tang, Sudharshan Suresh, Florian Shkurti, Jonathan Kelly, Sylvia Herbert.

Reading Group 2019–2020
Organized the Robotics Reading Group at the CS Department of IST Technical Institute of Lisbon [website]

ACM Interaction Design and Children conference (IDC) 2017
Served as a volunteer in the conference.

IEEE/ACM International Conference on Human-Robot Interaction (HRI) 2016
Served as a volunteer in the conference.

PROGRAM COMMITTEE
· **ACM/IEEE Conference on Human-Robot Interaction (HRI)**, Program Committee 2024, 2025
· **ACM/IEEE Conference on Human-Robot Interaction (HRI)**, Student Design Competition Chair 2021
· **ACM Human-Agent Interaction (HAI)**, Poster Chair 2024
· **Frontiers in Robotics & AI**, Lead Topic Editor for the Research Topic "Creativity and Robotics" 2021
· **ACM/IEEE International Conference on Human-Robot Interaction (HRI)**, Student Design Competition Chair 2021
· **Robotics: Science and Systems (R:SS)**, General Chair Pioneers Workshop 2021
· **Robotics: Science and Systems (R:SS)**, Publicity Chair 2021
· **ACM Human-Agent Interaction (HAI)**, Poster Chair 2020
· **Springer International Conference on Social Robotics (ICSR)**, Publicity Chair 2020
· **IEEE/ACM International Conference on Human-Robot Interaction (HRI)**, Late Breaking Report Chair 2020
· **IEEE/ACM International Conference on Human-Robot Interaction (HRI)**, Program Chair HRI Pioneers Workshop 2017

- **Summer School for Social Human-Robot Interaction**, Local Arrangements Chair — 2017
- **AAAI AI-HRI Symposium**, Program Chair — 2016
- **XII Meeting in Psychology**, Program Chair — 2016

SELECTED OUTREACH

Girls Who Code, *gave a presentation entitled "Project EMAR: A Social Robot for Teens"* — 2020, 2021

High School Colégio Campo de Flores, Portugal, *gave a presentation entitled "Artificial Intelligence and Robots"* — 2015

Creative Mornings, Lisbon, *gave a presentation about my PhD project entitled "Creativity and Robotics"* — 2019

European Researchers' Night, *presented two demos: (1) a Tangram game developed for children with Autism Spectrum Disorder (ASD); (2) YOLO, a robot for creativity stimulation* — 2017, 2018

Kid's Science Day, Cornell University, *gave a demo of the YOLO robot* — 2018

RAW Exhibition, Architecture Department, Cornell University, *presented the design process of the YOLO robot* — 2018

SELECTED MEDIA COVERAGE

Podcast "Fueling Creativity in Edication", a doule-espresso episode *nmbr. 1* and *nmbr. 2* about evaluating the impact of creativity interventions in children, and how to build robots to support childhood creativity. — 2022

Podcast 'For UW, by UW'. *"Social Robots for Teen Mental Health with Project EMAR "*, interview about how to design robots to help teens recognize mental health needs. Associated Publications: R2, P1 [link] — 2022

IEEE Spectrum. *"Children as Social Robot Designers: What happens when you let kids design their own social robot from scratch"*, interview about the human-centered design and fabrication process of YOLO robot. Associated Publication: C24 [link] — 2021

Population Health. *"Project EMAR Works to Improve Adolescent Mental Health via a Co-designed Social Robot."*, interview about the design process of the robot EMAR. Associated Publication: R2 [link] — 2021

PCMag. *"This Robot Wants to Help Stressed-Out Teens"*, interview about the evidence-based interventions that EMAR robot used to decrease stress in adolescents. Associated Publication: P1 [link] — 2021

NSF News *"7 Cool NSF-funded Robots that are Advancing Science and Helping Society"*, EMAR project was featured as project that promotes social good. [link] — 2021

WEVOLVER. *"YOLO Robot YOLO is a Robot that Boosts Children's Creativity."*, featured the open access materials of YOLO robot. Associated Publications: J8, J9 [link] — 2021

ARTIFICIA. *"The Robot-Creativity Project"*, featured the robot YOLO and its research contributions in stimulating creativity in children. Associated publications: C23, C24 [link] — 2021

SMART MEAT. General interview about robots and AI with humurous content. [link] — 2021

Robohub Podcast. *"Fostering Creativity: RSS Pioneers and the YOLO Robot with Patrícia Alves-Oliveira"*, interviewed by Robohub Podcast about my PhD dissertation work and about my experience as an international participants at RSS Pioneers [link] — 2020

GQ Magazine *"Love at First Download"*, interview about the future between humans and robots, in Portuguese [link] — 2018

MIT Media Lab News. *"Making Anything Into a New Musical Instrument"*, interview about the project I developed while at the MIT Media Lab Summer School [link] — 2018

Fundação Francisco Manuel dos Santos. *"Portuguese Scientists Living Abroad"*, interview about the hardships and positives about leaving Portugal to study abroad, in Portuguese [link]   2017

SIC Europe. Interview about the European EMOTE Project, in Portuguese. Associated publications: J5, C8 [link, min 1:20] 2015