Carlos Gutiérrez Álvarez

PhD Student

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Education

Universidad de Alcalá de Henares   *Alcalá de Henares*
PhD in Computer Science   *2021 - present*
- Advisor: Dr. Roberto J. López Sastre

Universidad Complutense de Madrid   *Madrid*
MS Mathematical Engineering   *2018 - 2019*

Universidad Complutense de Madrid   *Madrid*
BS Physics   *2014 - 2018*
- Honors thesis

Professional Experience

2021-present   **Spanish Science Ministry Pre-doctoral Fellowship**, Universidad de Alcalá
2019-2021   **Senior AI Engineer**, Accenture Technology
2018   **Undergraduate Research Assistant**, Materials Science Institute, Superior Center of Scientific Research

Publications

Published

Nasri N, López-Sastre RJ, Pacheco-da-Costa S, Fernández-Munilla I, **Gutiérrez-Álvarez C**, Pousada-García T, Acevedo-Rodríguez FJ, Maldonado-Bascón S. Assistive Robot with an AI-Based Application for the Reinforcement of Activities of Daily Living: Technical Validation with Users Affected by Neurodevelopmental Disorders. Applied Sciences. 2022; 12(19):9566.

Gutiérrez-Alvarez C, Hernández García S, Nasri N, Cuesta-Infante Alfredo, López-Sastre RJ, Towards Clear Evaluation of Robotic Visual Semantic Navigation, in ICARA, 2023.

Gutiérrez-Alvarez C, Ríos-Navarro P., Flor-Rodríguez-Rabadán R., Acevedo-Rodríguez F.J., López-Sastre R.J., Evaluation of Visual Semantic Navigation Models in Real Robots, in IROS Late Breaking Results, 2023.

Lafuente-Arroyo S., Maldonado-Bascón S., Delgado-Mena D., **Gutiérrez-Alvarez C**, Acevedo-Rodríguez F.J., Multisensory Integration for Topological Indoor Localization of Mobile Robots in Complex Symmetrical Environments, in Expert Systems with Applications, 2023.

Awards, Fellowships, & Grants

2021   **Graduate Research Fellowship**, Spanish Science Ministry

Presentations

* presenting author; + mentored undergraduate

Invited Talks

Spring 2023. *Abro Micro: Inteligencia artificial e interpretación de conferencias*. Podcast. Madrid, Spain.

Contributed Presentations

Gutiérrez-Álvarez, C, Ríos-Navarro P., Flor-Rodríguez-Rabadán R., Acevedo-Rodríguez F.J., López-Sastre R.J., Evaluation of Visual Semantic Navigation Models in Real Robots. Oral presentation: IROS 2023, Detroit, Michigan.

Teaching Experience

Fall 2023   **Circuits Theory**, Teaching Assistant

Universidad de Alcalá, Madrid

Outreach & Professional Development

Peer Review

Computer Vision and Pattern Recognition (CVPR)
International Conference on Learning Representations (ICLR)