

INTERNSHIP SUBJECTS - YEAR 2023

Internship subjects are updated at the end of November at the latest each year.

| Areas | Theme of the Project | Internship Supervisor | Laboratory Website | Languages | Duration of work | Purpose of Work |
|--|--|---------------------------------------|---|--------------------------------------|----------------------------------|---|
| Deep Learning; Machine Learning; Cognitive Systems; Autonomous Vehicle Simulation | Integrating Multi Sensors Data with Deep Learning Perception Modules | Professor Marcio Lobo Netto | Laboratory of Integrated Systems (LSI) / Cognitive Systems (COGNITIO) https://sites.usp.br/lisi/cognitio/ https://sites.usp.br/cognitio/ | Portuguese, English, Spanish, German | 4 months | To propose, test and assess innovative approaches based on Deep Learning strategies to be embedded in a simulated autonomous vehicle |
| Drones, UAV, Smart City | Use of drones in the smart cities | Professor Clovis Alvarenga Netto | LEDss - Laboratório de Estudos em Design de Serviços e de Sustentabilidade CEST-Centro de Estudos Sociedade e Tecnologia: www.cest.poli.usp.br | Portuguese, English, Italian | At least 1 month | Study applications of drones in Cities and their contribution to Smart Cities as well as for the ODS17 of ONU. Identify potential, real and future opportunities of using drones and comparing the applications in an emergent country and developed countries. |
| Circular Economy; circular business model; circular ecosystem | How to scale up the Circular Economy addressing social and environmental challenges? | Professora Marly Monteiro de Carvalho | LGP USP: https://www.researchgate.net/profile/Marly-Carvalho | Portuguese, English | Flexible, but at least 3 months. | To theoretically and empirically investigate how to embed and scale up CE models, particularly in the context of the explicit incorporation of a more socially inclusive perspective. |

It is possible to apply for a Lab different from the ones listed. Send us an email describing the knowledge field and/or laboratory you are interested in.