

# Universidade de Pernambuco

## Programa de Pós-Graduação em Engenharia da Computação (PPGEC)

### Proposta de Tese de Doutorado

**Áreas: Engenharia de Software e Inteligência Artificial**

**Título: Powering Industry-Academia Collaboration in Software Engineering and Artificial Intelligence areas**

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Research collaboration between industry and academia supports improvement and innovation in industry and helps ensure the industrial relevance of academic research [1], but a synergistic relationship must be developed [3]. Wohlin [2] states that “Actually, it is not about doing studies in the industry; this is about doing studies with the industry”.

Both communities - academia and industry - when articulated together, become a strong innovation mechanism for the industry, also helping to expand the relevance of academic research [3]. However, Industry-Academy Collaboration (IAC) activities are still incipient [1] [2]. New strategies must be developed to stimulate IAC projects [1] [4].

Some collaboration initiatives are emerging in the context of software testing [5] [6]. However, in general, in the context of SE and AI fields, orchestrated collaborations are still challenging [1] [3] [4] [7]. This research aims to propose a framework to power the industry-academia collaboration in Software Engineering and Artificial Intelligence fields, thus offering an environment that can promote this collaboration. As part of the research, several case studies and action research cycles, are targeted for application and evolution of the framework in software companies. In this direction, practitioners could obtain more relevant research results, and researchers could better understand the type and scope of problems to examine.

### Referências Bibliográficas

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