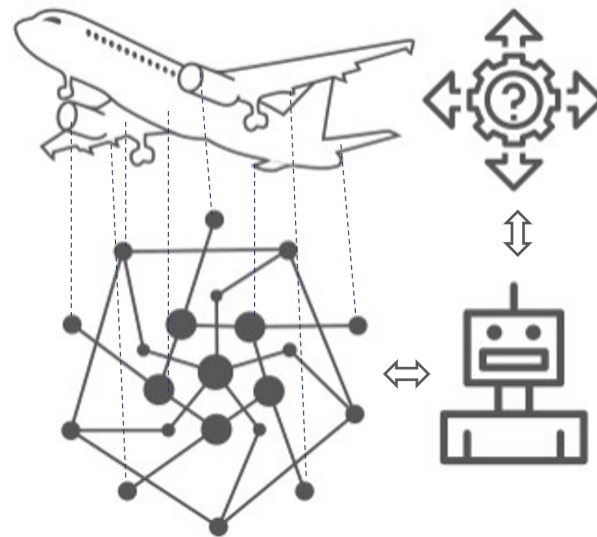


## Computational Systems Engineering Lab is looking for PhD/Master's students!

Our aim is to create state-of-the-art systems engineering techniques that allow for design automation of aerospace systems. To accomplish this, we have been conducting interdisciplinary research, where we can cross-fertilize computational science methods and systems engineering methodologies. We are also interested in how this interdisciplinary work benefits digital engineering practices, such as digital twins. Currently we are thinking a lot about aerospace systems, but we are also interested in exploring these research areas in different domains.



**Project Description:** The goal of the project is to build a descriptive, multi-fidelity Multidisciplinary Design and Optimization (MDO) workflow for aircraft design in systems modeling language (SysML), interoperate this model with engineering tools and data-science algorithms, and utilize this knowledge base for automated decision-making by introducing machine learning algorithms.

We are going to hire **1 Ph.D. student** and **1 Master's student**. The positions will be **fully funded** as a Research/Teaching Assistant, starting in Fall 2024 (can be flexible). Please reach out to Prof. Karagoz ([ekaragoz@iit.edu](mailto:ekaragoz@iit.edu)) with your CV and cover letter.

More information about CSEL and the qualifications for the Ph.D./Master's openings can be found here: [iit.edu/csel/home](http://iit.edu/csel/home)

Let us know if you have any questions by filling out the form on our website: [Contact Form](#)