SUBPRO summer project - System control

**Machine learning approaches using anti-slug lab to build digital twin.**

Supervisor: Sigurd Skogestad and Dinesh Krishnamoorthy

The idea of this summer project is to use the anti-slug lab to develop and validate digital twins (also known as surrogate models)

The summer student will run several experiments to generate a large pool of useful data. This data will then be used to develop a surrogate model using machine learning algorithms that approximates the anti-slug lab. Sufficient data must be genrated to train and validate models.

This summer project will act as a pre-cursor to the new PhD student in SUBPRO.

(The data generated can also be used in the future by Allyne Dos Santos)