Project Guidelines

General Instruction

Challenge: Choose any problem relevant to quantum information science and implement code in Python using Qiskit to address it. This can range from implementing an existing quantum algorithm to writing your own, simulating hardware level problems such as noise or different pulse sequences, or optimizing algorithms for certain conditions and implementations. Be creative! The only requirement is that you must use Qiskit.

Submission Requirements
- Submit your project as a github repository through this submission link
- Your submission must include all of your code, clearly labeled - we suggest using a Jupyter notebook for this
- Your submission must include a Readme page with your names, team name if you have one, and a description of the problem you set out to solve with overview of your solution
- Any sources must be cited or linked on your Readme or in your code
- You should submit a video, 2 minutes maximum, describing the problem and outlining your project. These will be played after submissions close, time permitting, and don't need to follow any specific format - they could be presentation style or anything else you choose
- If you need more space to describe your project than the 2 minute video, you're welcome to include that in your Readme or separately in slides, uploaded to github

Judging Criteria

- Creativity
- Relevance to QIS and real world problems
- Completeness
- Presentation

Email us at quantum.ucla@gmail.com with any logistical questions. Good luck!