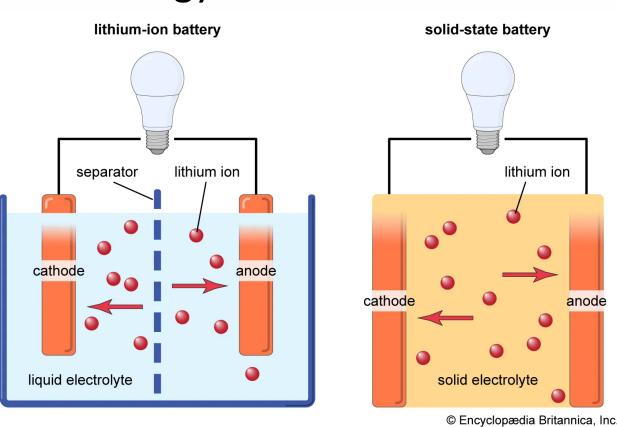
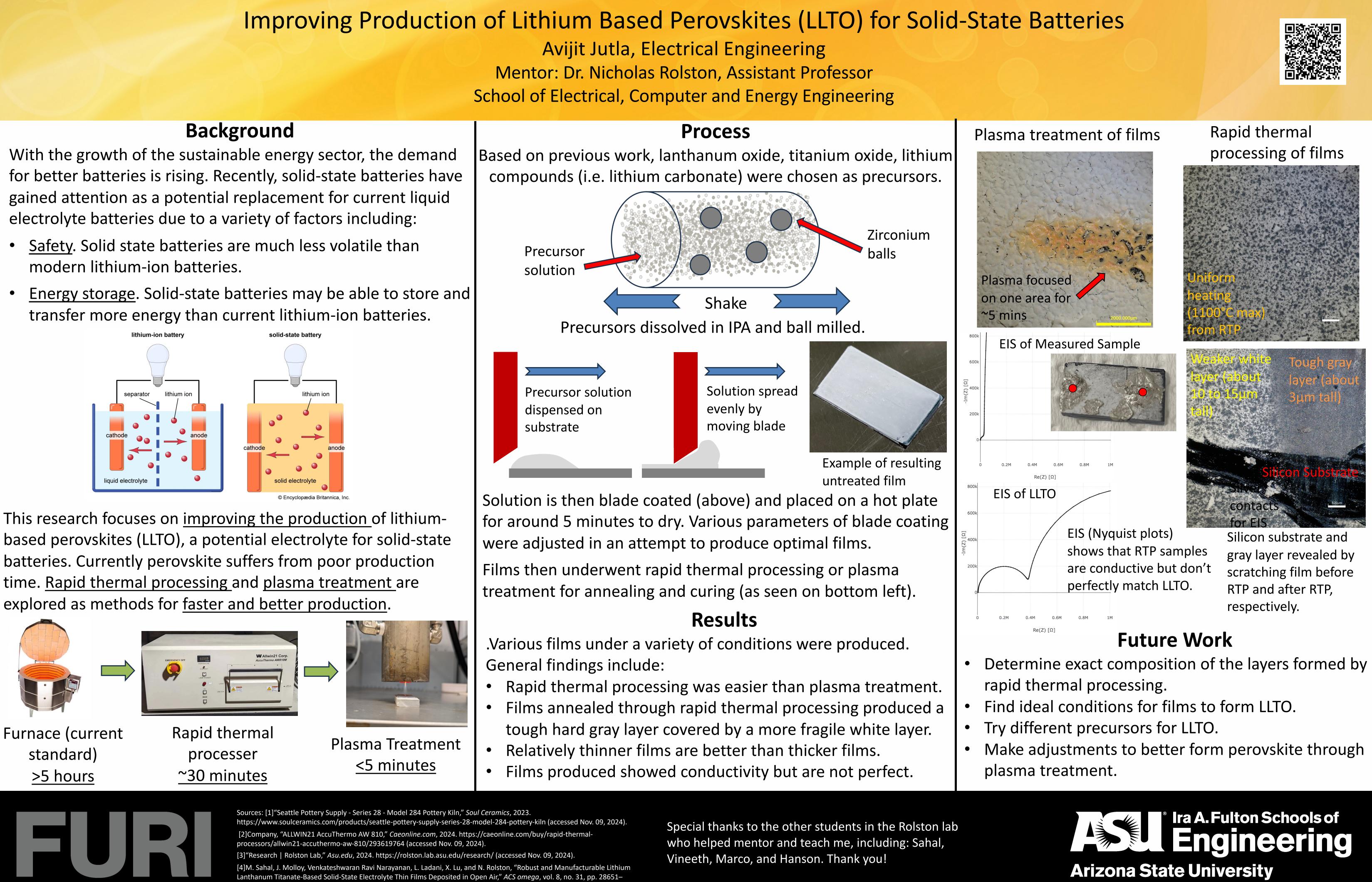
With the growth of the sustainable energy sector, the demand for better batteries is rising. Recently, solid-state batteries have gained attention as a potential replacement for current liquid electrolyte batteries due to a variety of factors including:

- Safety. Solid state batteries are much less volatile than modern lithium-ion batteries.
- transfer more energy than current lithium-ion batteries.



This research focuses on improving the production of lithiumbased perovskites (LLTO), a potential electrolyte for solid-state batteries. Currently perovskite suffers from poor production time. Rapid thermal processing and plasma treatment are explored as methods for faster and better production.



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