



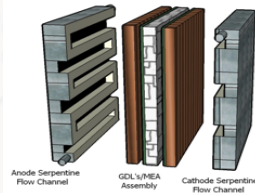
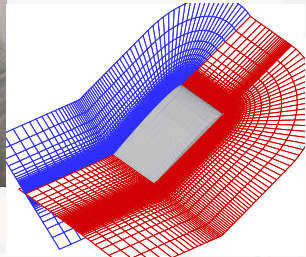
POETS

Sonya T. Smith- Howard University

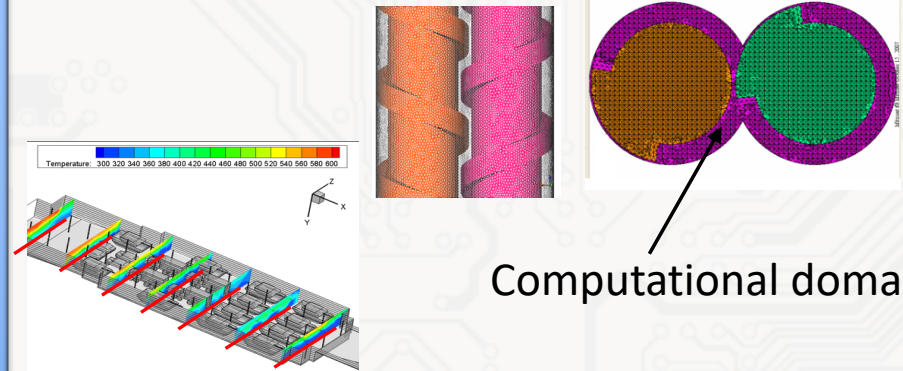
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- Theoretical and Computational Fluid Dynamics
- Internal/External Flows

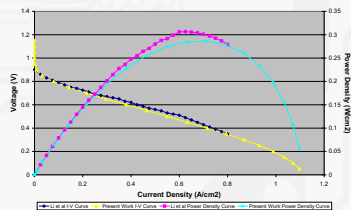


Advanced Grid Generation Techniques

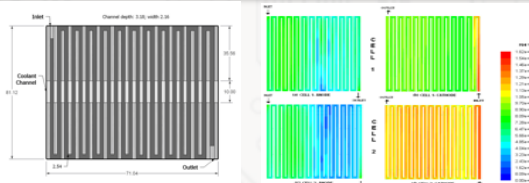
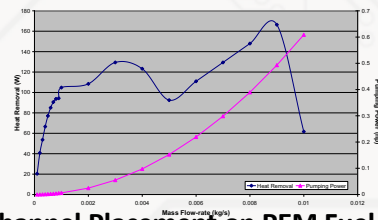


Performance optimization

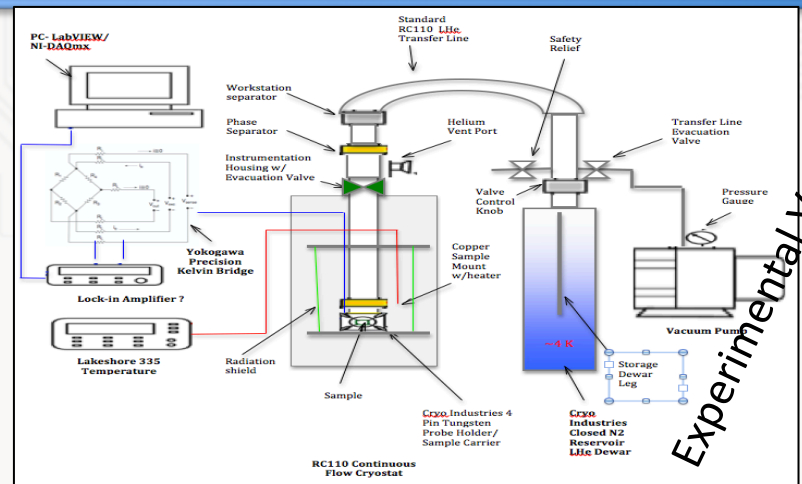
I-V and Power Density Curves: Present Work vs Li et al²



Heat Removal and Pumping Power vs. Mass Flow Rate



Effect of Optimal Coolant Channel Placement on PEM Fuel Cell Performance



Experimental Validation