FMfl2023 Program	
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Title	Nonlinear dynamics of hydrodynamically unstable premixed flames with
	physicochemical interactions
Abstract	Dynamics of hydrodynamically unstable premixed flames are studied. The nonlinear hydrodynamic model and the Sivashinsky equation are considered to extract intrinsic nature of nonlinear flame morphology through numerics and the bifurcation theory. This talk is based on the joint works with Prof. Moshe Matalon (UIUC).