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Goal: Fast, robust, temporal execution with contingencies, in an uncertain environments.

Solution: Model-predictive Dispatch, a middle ground between non-deterministic programming and temporal planning.

- Rich embedded language, RMPL, for describing complex concurrent team strategies extended to time and contingency.
- Kirk Interpreter "looks" for schedulable threads of execution before "leaping" to execution.
- Temporal Plan Network provides a flexible, temporal, graphbased planning paradigm built upon Simple Temporal Nets.
- Global optimality achieved by unifying activity planning and global kino-dynamic path planning.