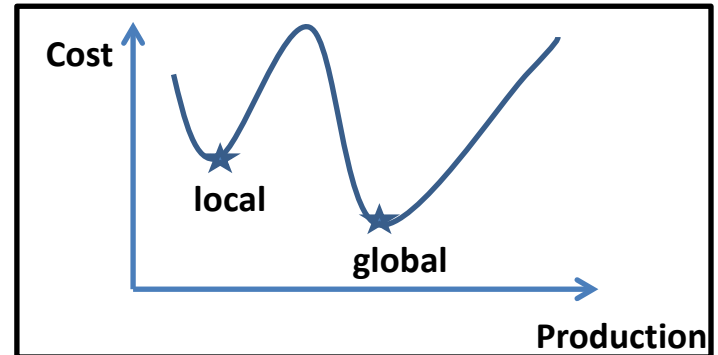
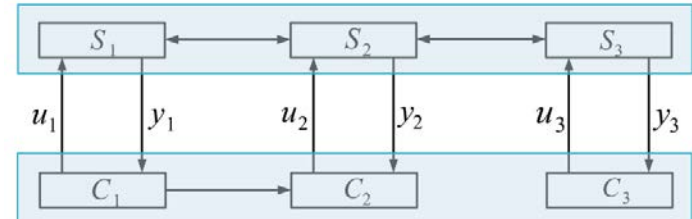


Research: Optimization, Control, and Power

❑ **Optimization:** Design global optimization techniques based on matrix completion, convex relaxation, rank-constrained optimization, tree decomposition, etc.



❑ **Distrusted Control:** Design optimal distributed controllers/decision makers, with applications in communications, power, aerospace, traffic, multi-agent systems, etc.



❑ **Power Systems:** Design an optimal brain (algorithms/tools/protocols) to improve operation and make the grid sustainable. This may help to save billions of dollars annually.

