

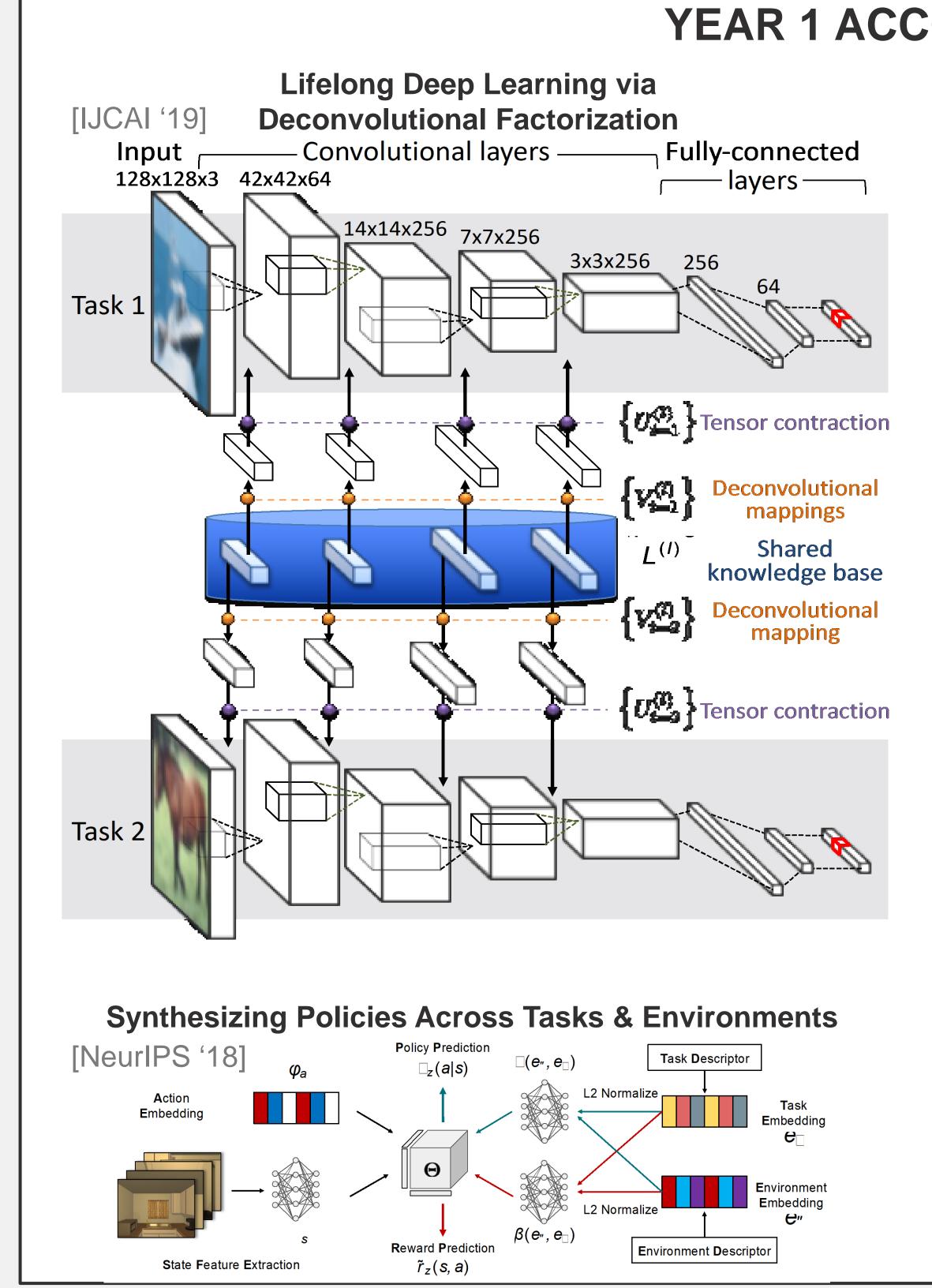
Lifelong Learning of Perception & Action in Autonomous Systems

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Specialized Functions: Lifelong Learning Machines (L2M)

RESEARCH OBJECTIVES

- Safe knowledge transfer between diverse tasks
- Scalable lifelong knowledge maintenance of structured, composable knowledge Self-directed learning for autonomous discovery
- Modeling the non-stationary distribution of tasks
- Apply L2M to autonomous mobile service robots
- Focus on integrated perception and action
- Real and simulated unstructured, dynamic environments
- Persistent deployment of service robots across our universities



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