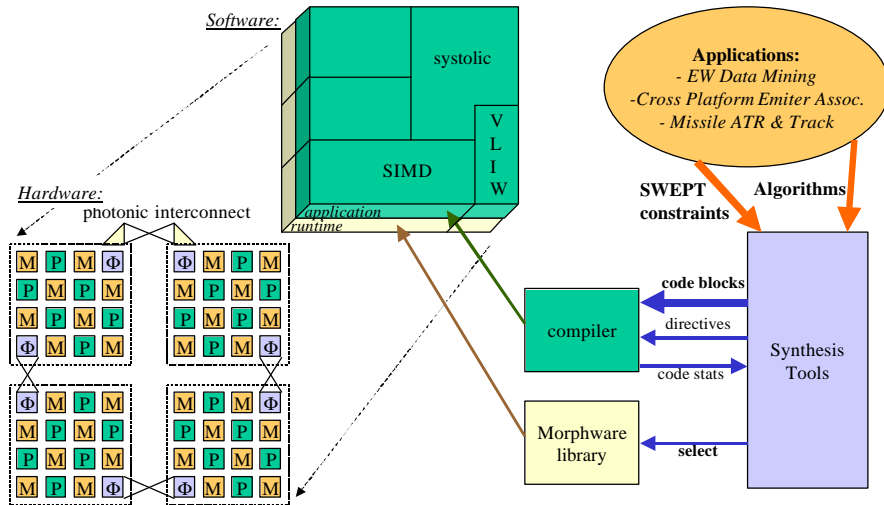


M3T: Morphable Multithreaded Memory Tiles



New Ideas

- Coarse grain polymorphism
- Polymorphism at all system levels
- System morphs on application demand

Impact

- Morphable system that adapts to changing mission demands
- Applicable to a wide range of defense systems
- Commercialization path to leading US industry.

Schedule

- End of six months:** Microarchitecture defined and simulated
- End of 12 months:** Synthesis tools, compiler, and morphware running
- End of 18 months:** Complete polymorphous system emulated on Blue Gene
- End of 24 months:** Complete polymorphous system simulated

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