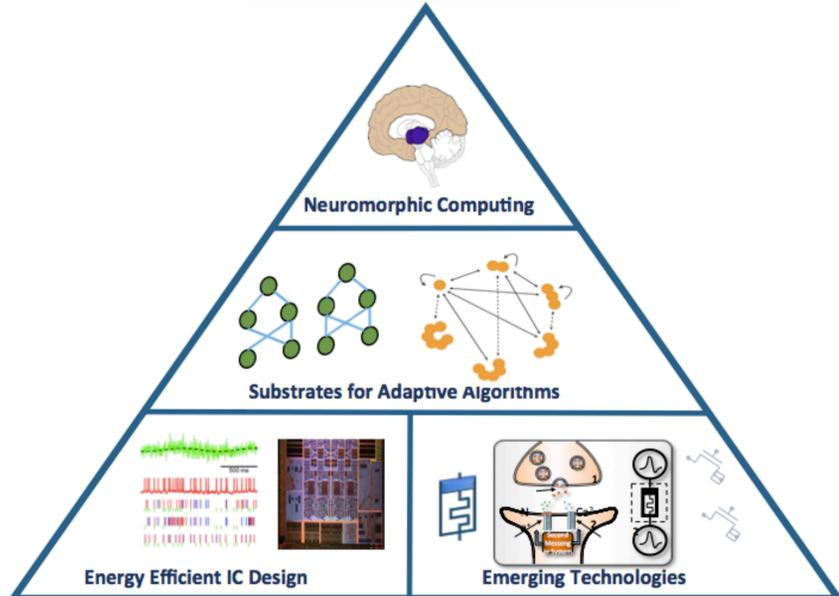


## Qualifications



- 15 years of experience in designing energy efficient compute platforms
- Conducting NSF funded research for subcortical circuit models and consulting for ARDEC and industry partners on cortical computing architectures
- Collaborative research with Neuroscientists, Computational Intelligence, and Machine Intelligence Scientists

## Research Interests

- Cortex-inspired architectures based on working knowledge of the brain
- Role of subcortical structures in perception and cognition
- Modeling subcortical structures in hardware
- Spatio-temporal signal processing and its applications
- Reservoir computing substrates

## Capabilities Sought

Seek partnerships with

- those interested in using cortical circuit and system models
- those with access to brain mapping data
- those willing to work with a team of academics

## Contact

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The RIT team will supply cortical circuit models for learning, emerging technologies for exploring the circuit design space, behavioral modeling, and formative evaluation of machine learning models to a team with neuroscience/neuropsychology.