

Siamak Arya Consulting is offering over twenty-five years of experience in system and processor architecture and design, simulation and modeling, and performance analysis to consult in the following areas.

Design, design evaluation and review, design specification, investigation of specific issues, performance analysis and improvement, and trade off analysis

- **Processors**
 - Architecture, micro-architecture, instruction set, data path, simulators, performance analysis, etc.
 - Strategies, Structures, Policies: Cache, Pipeline, Instruction issue, etc.
 - General and special purpose processors.
 - VLIW, Superscalar, Vector, SIMD
- **Systems**
 - Architecture, multi and parallel processing, memory system, etc.
- **System Performance analysis**
 - Metrics and workload specification and development
 - Performance analysis for system, system components, or application improvement
 - Algorithm and application analysis and performance improvement and projection
 - Bandwidth and throughput analysis and projection
- **Applications areas**
 - Scientific and number crunching, consumer, video, and DSP.
- **Patents**
 - Expert witness, claim construction, general investigation, patent evaluation

I hold nine US patents and have a number of publications. List of patents, publications, and references are available upon request.

Please contact me if I can be of any help to you or your company. Referrals are appreciated.

Siamak Arya Consulting