



**Dr. Svitlana Volkova - Chief of AI at Aptima, Inc**

Dr. Svitlana Volkova is Chief of AI at Aptima, Inc., where she sets the company's AI vision and leads a portfolio of advanced research programs in compound frontier AI systems, human-AI teaming, and AI Test and Evaluation for national defense. A recognized thought leader in AI for national security, she has shaped the technical direction of multi-million-dollar federal research initiatives with a focus on transitioning AI technologies to operational use. Her pioneering work spans multimodal frontier models, agentic AI architectures, human digital twins, and causal AI/ML—with a focus on decision advantage, readiness, and cognitive warfare applications. Dr. Volkova has authored 100+ publications with 4,900+ citations, delivered keynotes and invited talks at premier venues spanning AI research (AAAI, ACL, EMNLP), defense (I/ITSEC, MODSIM, INFOPAC), academia (Stanford, CMU), and industry (Google Research, Amazon), and served as a trusted advisor to government leadership on AI strategy. Prior to Aptima, she led AI research initiatives at Pacific Northwest National Laboratory and conducted research at Microsoft Research. She holds a PhD in Computer Science from Johns Hopkins University.