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Dr. Baird works in the areas of blast and ballistic testing of barriers and composite material/masonry construction retrofits, structure demolition, development of new blasting agents, energetic materials, advanced polymeric and composite materials, explosive taggant research, and most recently, explosive-driven generators for pulsed power applications. He is also the President of Loki Incorporated, a successful small business participating in a wide range of energetic materials and ballistic resistance topics and performing test and expert witness services.