



Core Invention, Inc.

Scott A. Wilber, President

P.O. Box 51330, Albuquerque, NM 87181-1330

(505) 222-0612 • contact@CoreInvention.com

<https://coreinvention.com>

DUNS: 080788690

CAGE: 7X9V3



Capabilities & Expertise

Core Invention, Inc. is a VIP verified Veteran-Owned Small Business (VOSB) that offers a wide range of novel and emergent technologies. These include artificial intelligence, Question-Answering systems, artificial consciousness, Mind-Machine Interface, Quantum and ultra-high speed TRNGs, Electromagnetic Propulsion systems, signal processing, FPGA standalone and embedded systems, algorithms and mathematical modeling and simulations to the public and private sectors. Our team has over 35 years of experience in high tech invention and product commercialization.

Services

Certification

- VOSB

Research & Development

NAICS 541715

- Quantum and ultra-high speed true random number generators
- AI & Question-Answering systems
- Artificial Neural Network & Artificial Consciousness
- Human-Machine interaction
- Pattern recognition, algorithms
- Electromagnetic Propulsion
- Force Measurement
- Biological signal acquisition and analysis
- Applied Optics

Hardware Engineering

NAICS 541330

334118, 334510, 335999, 541519

- Randomness and true random number generators
- Custom analog and digital circuit design
- Embedded systems including FPGA implementations
- Analog and digital signal processing

Software Engineering

NAICS 541511

- Computer interfacing
- Mathematical modeling
- Scientific programming
- Algorithms
- Simulation of physical and mathematical systems

Systems Integration

NAICS 541512

- Computer systems integration
- Real-time computer systems
- High-accuracy computer time systems
- Custom hardware/computer interfacing

Scientific and Technical Consulting

NAICS 541690

- Analysis of technical and commercial viability of high-tech developments and inventions.

December 4, 2018



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Key Personnel

Scott A. Wilber, Founder/President



Founder Scott A. Wilber, veteran owner, is a well-established inventor and entrepreneur with 12 patents including two for the first commercially viable pulse oximeter, recognized as one of the most valuable medical devices of the 20th century. Other patents cover inventions in the fields of laser gyroscopes, optical character recognition and influence of mind detection, as well as five patents for true random number generators and generation methods. Mr. Wilber spent years as a researcher at the University of Colorado and co-authored several articles published in major scientific journals such as Physical Review B, Journal of the Electrochemical Society and Inorganic Syntheses. He previously held a Top Secret clearance for classified work with the US military.

Mr. Wilber brings vast technical expertise to the company. In addition, he is a highly experienced business leader. His track-record of technical and entrepreneurial successes includes founding and running several companies. Some specific areas of excellence include:

Entrepreneurial

- Business organization and management including all aspects of high-tech start-ups
- Fund raising
- Legal and patent issues

Technology Assessment

NAICS 541690

- Patentability
- Manufacturing
- Cost and marketability

Technical

NAICS 541715, 541330, 541511, 541512, 541519, 334118, 334510, 335999

- Pharmaceutical (especially bio-pharmaceuticals)
- Chemical and laboratory equipment and procedures, HPLC
- X-ray crystallography and high-pressure (kiloton) presses
- Applied Optics including bio-optics, Solid-State chemistry
- Materials research on high-temperature superconductivity and wires
- Electromagnetics
- Analog and digital circuit and testing including FPGA implementations and embedded systems
- Microwave devices and related printed circuit design
- Analog and digital signal processing
- Real-time computer systems
- Randomness and true random number generators and testing
- Computer modeling and simulation of physical and mathematical systems