

### Who Should Read This Book

*Quantum Computing: The Vedic Fabric of the Digital Universe* is for information technology professionals, academics and lay people alike, involved in computer and network applications and hardware/software development. This book is for anyone who needs to understand the one-to-one correspondence between quantum computing and the ancient Vedic Literature.

#### Key Insights:

##### Quantum Computing Theory and Practice

The exponential trend of chip component miniaturization, which has held since 1950 under Moore's Law, cannot continue due to quantum effects at molecular, atomic and subatomic scales. Quantum computing is the natural outcome of inexorable trends in both system and global network development, and promises to ensure the advancement of the world's leading economic sector.

Quantum computers operate according to the rules of quantum mechanics which govern the very small—the waves and particles that pervade the nano-, atomic-, and pico-scales. They combine sequential and simultaneous processing into their very nature, ensuring that all computational pathways are pursued at once. Therefore, one machine cycle—one tick of the quantum computer clock—computes on all possible machine states at once. The direct benefit is solutions to problems in a fraction of the time required by conventional computers. Quantum applications include Quantum searching, database, and counting; factoring, cryptography, and error correction; order-finding, period-finding and Quantum teleportation.

#### Key Insights:

##### The Vedic Foundation to Quantum Computing

Quantum computing—including the quantum gates and algorithms at its core—has the same structure and function as the non-changing, eternal basis of natural law identified by quantum physicists as the Unified Field. *Quantum Computing* reveals the Cosmic Computer and Cosmic Switchboard operating at the level of the Unified Field itself, in terms of the highly predictive, infinity-point fabric pervading the Digital Universe™. **This book:**

- Creates a fundamental model connecting the principles of computer science, quantum physics, mathematics, information theory, and Maharishi Vedic Science.
- Locates and identifies the Cosmic Computer and Cosmic Switchboard operating at the level of the

Unified Field as the fundamental basis to computing and networking.

- Explains how to directly access the unlimited computational domain of the Cosmic Computer and Cosmic Switchboard through an  $n$ -quantum bit ( $n$ -qubit), patent-pending RAAM Gate™.
- Unfolds the direct correspondence between quantum computing and each of the forty branches of Veda and the Vedic Literature within optical (bosonic), electronic (fermionic), and quantum (supersymmetric) domains.
- Develops the Hardware-Software Gap™, corresponding directly to the lively Gap located between the syllables and texts of Veda and the Vedic Literature. The Gap is the silent and dynamic fountainhead of memory within the totality of past, present, and future.
- Traces the transformation of instructions from software program code to assembly language to machine language to memory via the Hardware-Software Gap.
- Reveals the profound correspondence between Vedic *Devata* (cosmic administering intelligence) and Quantum Network Architecture™. Vedic *Devata* function as the impulses of creative intelligence present within every point and field of the quantum computational domain.

#### About the Author

Seattle-based Thomas J. Routt, PhD, directs a multinational hardware-software firm and consults with Fortune 500 companies on computer network architecture. He holds two pending patents in quantum computation and has published 80 papers in computer and network technology journals. As a keynote speaker and chair at conferences worldwide, Dr. Routt has addressed over one million computing and networking professionals on six continents.

#### How To Purchase This Book

*Quantum Computing: The Vedic Fabric of the Digital Universe* contains 436 pages with 77 full-color figures. Printed in Singapore in soft cover.

[www.vediccomputing.com](http://www.vediccomputing.com)

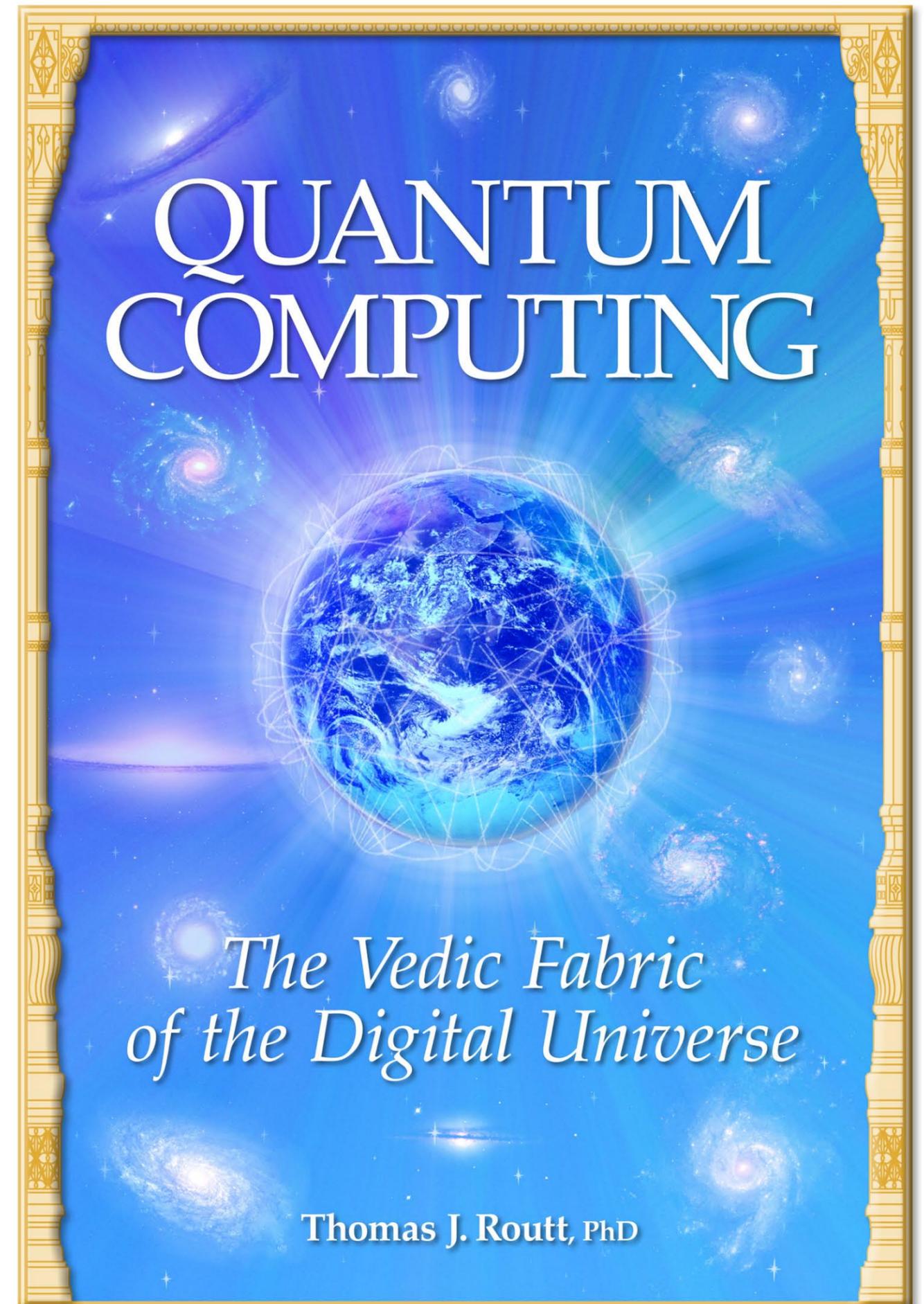
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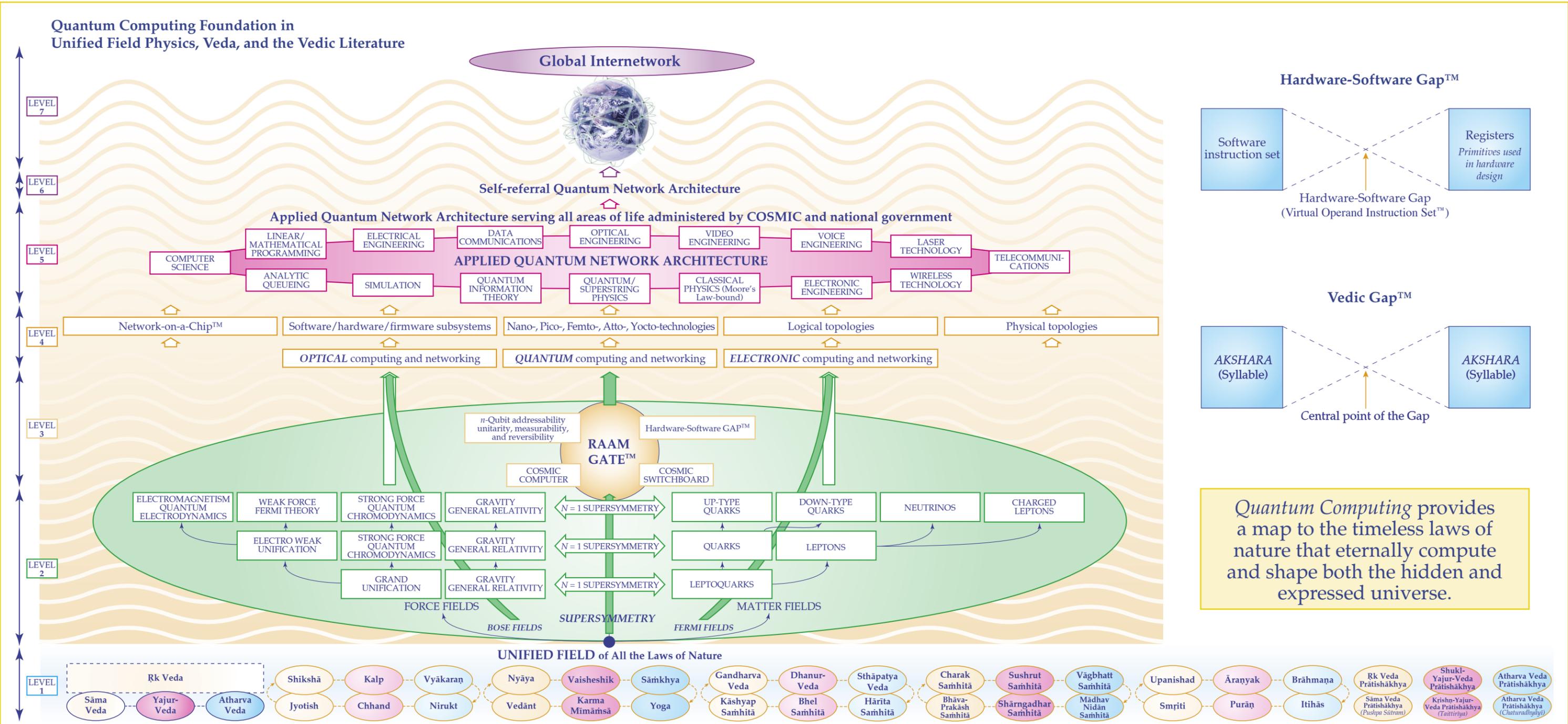
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Quantum Computing provides a map to the timeless laws of nature that eternally compute and shape both the hidden and expressed universe.

About This Book

Quantum Computing: The Vedic Fabric of the Digital Universe portrays the astounding bridge between two scientific world-views—one modern, Western, and technology-based, and the other ancient, Eastern, and consciousness-based. Quantum Computing provides a guide to the striking parallels between quantum computation and the ancient Veda and Vedic Literature, and its evolutionary, practical applications.

What Thomas J. Routt, PhD accomplishes in Quantum Computing is three-fold. First, he reveals how quantum computation and Quantum Network Architecture™ hold

the promise for solving virtually all the limitations present in today's electronic technologies.

Second, Dr. Routt describes the oceanic scale of digital evolution, and the inexorable transformation of hardware and software to quantum expressions. The global Internet and World Wide Web have already effectively transcended the space-time fabric. Today, everyone everywhere has instant access to vast storehouses of information.

Third, Dr. Routt connects the principles of computer science, quantum physics, mathematics, information theory, and Maharishi Vedic Science into a model that identi-

fies the Cosmic Computer and Cosmic Switchboard operating at the level of the Unified Field—and describes how to access this unlimited computational domain. As we follow this breakthrough discovery of the timeless symmetry between mind and matter, we begin to glimpse the laws of nature that are eternally computing and shaping the hidden and expressed universe. The result is a map to understand and quantify the inner workings of the unlimited computational domain.

Quantum Computing is a seminal work that unfolds a new way of understanding computer science in terms

of the underlying fabric of knowledge itself. This book provides the foundation for a rich future of research, and reveals a new paradigm for developing advanced computing and information systems.

Like best sellers *A Brief History of Time* and *The Tao of Physics*, *Quantum Computing* is an eloquent elaboration of fundamental science, accessible to professionals and lay people alike. Discover the one-to-one correspondence between quantum computing and the *Vedic Fabric of the Digital Universe*.