

## Membership: Member Profiles



### **Leonard R. Rockett**

President

Technology Metrics, LLC

[Gamma Lambda Chapter, Columbia University]

### **Career Synopsis**

Leonard Rockett is the president of Technology Metrics, a management, scientific, and technical consulting support services firm. He is a certified program management professional with over 20 years experience as a senior program manager at a major defense contractor. Prior to pursuing his program management career, Leonard Rockett was chief engineer of radiation hardened technology development programs and as such represented the core competence for microelectronics technology characterization and radiation hardening on multiple US government-funded programs, enabling the successful completion of their key technical objectives. For 12 years he taught junior- and senior-level courses as a visiting professor and then an adjunct professor of electrical engineering at Howard University in Washington DC. He earned his BS degree in electrical engineering from Howard University in Washington DC, and his MS and PhD degrees in electrical engineering with a specialization in microelectronics from Columbia University in the City of New York. He achieved his program management professional certification from Lockheed Martin.

### **Career Highlights**

Leonard Rockett was the program management director during a three-year government-funded \$125 million foundry modernization major program that significantly upgraded the wafer fabrication capabilities of the microelectronics foundry at the defense contractor's facility. After the successful completion of that foundry modernization program, he was a leading member of the contractor's team that was awarded The Defense Certificate of Recognition for Acquisition Innovation (January 2006) by the Under Secretary of Defense (Acquisition, Technology and Logistics) acknowledging the exemplary program performance in achieving all of the major objectives of the contract, within budget and schedule. Leonard Rockett has consistently kept abreast of the ever-expanding fields of engineering technology

and management, as reflected by his extensive record of publications (over 70 published technical reports and papers) and patents (15 U.S. patents to-date), and his continued participation in professional development initiatives. He has also received numerous awards for leadership and innovation over his professional career.

### **Education and Career**

The link between education and career is indelible. In this ever-expanding technological world engineering education is the key to exploring new technological frontiers. It is important for engineering education to continue to encourage engineering students to question and analyze the foundations of their understanding within their chosen fields because possessing a deep understanding of the roots of our science is the basis for having the capacity to drive the technology into new application areas thus reaching its full potential to benefit society.

### **Advice to Engineering Graduates**

My advice to engineering graduates is "don't be afraid to think outside the box". To paraphrase Plato, "Necessity is the mother of invention", but true innovation requires not only an awareness of the requirement to accomplish a particular task better but also the desire perform the task in a uniquely new creative manner so that all derivative benefits may be exploited to expand and advance the underlying technology.

*All IEEE-HKN members may submit a completed profile of him/herself or someone else. Please submit the profile questionnaire to [info@hkn.org](mailto:info@hkn.org). You can also submit suggestions for profiles by nominating names to [info@hkn.org](mailto:info@hkn.org).*