

# Lew Parks, Ph.D.

## Vice President, Advanced Applications

### Professional Experience

Lewis Parks joined Sterigenics International in 1998 following the company's acquisition of Nicolet Electron Services where he was the General Manager.

- Through his tenure at a number of leading companies, including Sterigenics, Ion Beam Applications (IBA), Nicolet Electron Services, Thermospectra, Thermo Instruments Systems, and IRT Corporation, Dr. Parks has more than 25 years of experience in radiation processing and technology.
- Since joining Sterigenics, Dr. Parks' has held a variety of key management roles with responsibilities including electron beam and X-ray technologies and operational responsibilities for several of Sterigenics' radiation processing plants.
- He is now responsible for market development and sales of irradiation services designed to enhance properties of materials provided by customers.
- Dr. Parks is also responsible for the commercialization of Raprex™, a proprietary family of radiation modified polyethylene.

### Professional Activities

- As a member of the Association for the Advancement of Medical Instrumentation (AAMI), Dr. Parks has been involved in the writing of many of the AAMI standards for radiation sterilization of medical devices.
- As a member of the Dosimetry for Radiation Processing Subcommittee in the American Society for Testing and Measurement (ASTM), Dr. Parks chaired the working group responsible for the publication of ASTM E1649 – 94, *Standard Practice for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies Between 300 keV and 25 MeV*.

### Education

Dr. Parks holds a Ph.D. in Experimental Nuclear Physics from the University of Texas.

*“I particularly enjoy contributing to the development and commercial launch of a customer's new products, then working to lower the cost of producing those products.”*



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# Song Cheng

*“It’s fulfilling  
to be able to serve the  
customers better and  
at the same time to  
serve my own  
company better  
by doing so.”*

## Application Development Manager

### Professional Experience

Mr. Cheng joined the Advanced Applications Division of Ion Beam Applications (then parent company of Sterigenics) in 2001 and has since served as Application Development Manager.

- Mr. Cheng has nine years of experience in radiation processing of polymer materials and a total of 18 years of experience in industrial polymer materials R & D.
- As a Research Engineer with the Chen-Guang Research Institute for Chemical Industry in Chengdu, China (1986-1992), Mr. Cheng specialized in radiation processing studies of various polymeric materials.
- Immediately prior to joining Sterigenics, Mr. Cheng served with Moltech Corporation where he was a Scientist and Team Leader for the development of lithium battery components.
- In his current position, Mr. Cheng takes the lead in applications and development in radiation processing of polymers and other advanced materials.
- He is at the forefront of developing value-added applications and products with material property enhancements achieved through the use of radiation processing. He has extensive knowledge regarding the radiation stability of materials.

### Professional Activities

- Mr. Cheng has been a presenter at numerous technical conferences and seminars.
- He is the author of 18 technical papers and holder of 4 patents.
- He is a member of the American Chemical Society (ACS).

### Education

Mr. Cheng holds a Bachelor of Science in Polymer Chemistry from Fudan University in Shanghai, China, and a Master of Science in Polymer Chemistry from the University of Alabama.



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