

Brad Lundahl

Senior Consultant, Radiation

Professional Experience

Brad Lundahl joined Sterigenics International in 1994 and currently serves as SteriPro® Senior Consultant for Radiation.

- Past positions have included: Manager, Sterigenics Materials Testing Laboratory; Quality Assurance technician; Operations ExCell (high-precision irradiator) Manager; Facility Quality Assurance Manager; Corporate Quality Assurance Technical Manager; Corporate Technology Specialist; Corporate Engineering Project Engineer; and Corporate Technology Senior Scientist.
- Throughout his career with Sterigenics, Mr. Lundahl has performed IQ/OQ/PQ validation of gamma, electron beam and high energy X-ray irradiators; managed the company's use of five dosimetry systems; and designed and executed process validation, materials validation and packaging design for Sterigenics customers—specifically those in pharmaceuticals and biologics.
- Mr. Lundahl began his career at MMA Laboratories, a company which performed contract physical and chemical analysis of metals and composites for the aerospace industry. At MMA, Mr. Lundahl held positions within the physical testing and NDT departments, culminating in his position as Manager of the Chemistry Laboratory where he conducted analytical work with titration, optical spectroscopy, X-ray spectroscopy, trace element analysis with graphite furnace and ICP-mass spec.
- Immediately prior to joining Sterigenics, Mr. Lundahl served with Geotest as a field chemist performing GC-HPLC analysis of water and soil samples for petroleum contaminants.

Professional Activities

Mr. Lundahl is actively involved in industry committees, task forces and working groups.

- He is a presenting member of Radiation Process Simulation and Modeling User Group, American Association of Pharmaceutical Scientists (AAPS).
- At ASTM, he serves as Working Group Chairman of ISO/ASTM 51261 .
- Additionally, he is a member of PDA and AAMI.

Education

Mr. Lundahl holds a Bachelor of Science in Mathematics and a minor in physics from Ball State University in Indiana and is presently completing a PharmD.



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“The customer will have the addition of a technical expert to their team... one whose sole focus is to make their success a reality.”

Barry Fairand, Ph.D

Senior Consultant, Radiation

“The consulting environment constantly pushes us to create new methods of processing and then to develop the validation to establish efficacy.”

Professional Experience

Barry Fairand is a consultant to the radiation processing industry, with more than 36 years of experience in the field of scientific research and radiation processing of materials, medical devices and critical health care products.

- For 20 years Dr. Fairand worked as a Senior Scientist with Battelle Memorial Institute, a world-wide research organization. While there, he conducted experimental and theoretical studies in nuclear and surface physics and the development and application of high-power lasers.
- Following his employment with Battelle, Dr. Fairand spent 16 years (from 1983 to 1999) with Sterigenics International.
- He initially served as General Manager of an irradiation facility where he was responsible for all operational and quality aspects of a commercial gamma irradiation plant.
- Later, Dr. Fairand was promoted to Vice President of Technology with technical oversight of all Sterigenics irradiators. His duties included: irradiator design, execution of validation programs including IQ/OQ/PQ, design and commissioning of the ExCell™ high precision irradiator, selection and calibration of the company's dosimetry systems and Corporate Radiation Safety Officer. Dr. Fairand also trained staff in operational and technical aspects of the business.

Professional Activities

Dr. Fairand is actively involved in industry committees, task forces and working groups.

- He is a member of the Association for the Advancement of Medical Instrumentation (AAMI) and is a working group member on ISO/AAMI/TC 198 WG 2, Radiation Sterilization.
- He is a member of the American Society for Testing and Materials (ASTM) where he serves as Vice Chairman of Subcommittee E10.01 on Dosimetry for Radiation Processing.
- Dr. Fairand is also the United States delegate to ISO Technical Committee 85 on Nuclear Energy.
- He is a member of Sigma Pi Sigma, a Physics Honor Society and Sigma Xi, a Scientific Research Society.

Publications and Patents

Dr. Fairand is the author and co-author of numerous technical reports and publications. He is the holder of several patents and an invited speaker at National and International Symposia.



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Tim Bollnow

“It is particularly rewarding to me when I feel we have complemented or increased the customer’s knowledge base.”

Technical Specialist, Radiation

Professional Experience

Mr. Bollnow began his medical device career at Sterigenics International (then Griffith Micro Science) in 1996.

- Throughout his tenure, he has held various positions in the Laboratory, including Chemist and Microbiology Supervisor of Non-sterile Testing.
- He currently works as the primary coordinator on radiation sterilization projects as well as supervising the non-sterile microbiology testing and other special projects within the laboratory.
- Mr. Bollnow is a presenter for Sterigenics at its internal seminars for customers.

Education

Mr. Bollnow holds a Bachelor of Science in Biochemistry with a specialization in Biotechnology from Michigan State University. His areas of expertise include determination of bioburden, bacterial endotoxins testing (LAL), and radiation sterilization validation.



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