

Dr. Greg Piefer

Chief Executive Officer and Founder
SHINE Medical Technologies



Thursday December 1st, 2016 at 5:30 p.m.

At [Dominion Innsbrook Technical Center](#), 5000 Dominion Blvd, Glenn Allen, VA 23060

SHINE Medical Technologies and the Future of Isotope Production

SHINE's advanced isotope production technology combines an accelerator-based neutron source with a high-efficiency liquid target. The target geometry is optimized for isotope production, resulting in high yield of medically-useful products including molybdenum-99 (Mo-99), iodine-131, and xenon-133. The SHINE system is more cost-effective and creates less waste than conventional methods, and produces Mo-99 compatible with the existing supply chain. With the help of Argonne National Laboratory, GE Healthcare has obtained pharmaceutical-grade Tc-99m from their Drytec generator, using Mo-99 produced by SHINE's innovative process. SHINE has supply agreements with GE Healthcare, Lantheus Medical Imaging, and HTA, making it the only US-based producer of new technology with executed customer supply agreements. The NRC issued SHINE a construction permit in February of 2016. Construction of the SHINE facility is expected to begin in Q1 of 2017.

Speaker Biography:

Dr. Piefer is the founder of SHINE Medical Technologies and presently serves as its CEO. Before this, he served as the president of Phoenix Nuclear Labs, where he managed the development of high-output particle sources. He formerly served as the Chief Technical Officer to Gillware Inc., a leading data recovery and backup company. He holds a PhD in nuclear

engineering, and BS degrees in physics and electrical and computer engineering from the University of Wisconsinâ€“Madison. He is excited to work on commercialization of revolutionary scientific developments that now offer the opportunity to serve humanity.

Schedule:

- Social Hour - 5:30 p.m.
- Dinner - 6:00 p.m.
- Presentation - 6:45 p.m.
- Adjourn - 8:00 p.m.

COST: Dinner: \$20 for VA-ANS Members (\$10 for VA-ANS student members, \$15 for student non-members, \$25 for VA-ANS Non-members). Cash Bar.

Reservations for the meeting needed to be made by 4 p.m. on Monday, November 28, 2016. Please address any questions to [Nicole Waugh](#).