

John H. Belk

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Fellow, Optica (formerly OSA)

Fellow, American Physical Society (APS)

Career Snapshot

- Commercial electrical grounding systems
- Senior technologist for internal S&T needs
- Senior nanotechnologist and nanoscience champion
- Corporate S&T and S&T policy representative
- Global R&D relationship development and harvesting
- Quality systems technologist (manufacturing and laser diode production)
- CRAD capture, project management
- Space optical systems
- Optical characterization
- Products included: U.S. Space Shuttle, F-15, AV-8B, F-18, C-17, 737, 767, 777, 787, missiles, submarines, spacecraft
- Customers included: USG Executive Branch, NASA, AFRL, AFOSR, ARL, ONR, NRL, DARPA, NSF, NAS

Certifications

Clearance (call)
Human Subject testing

Personal Mission Statement

Strive to deserve to be happy. — *Prof. Peter Koestenbaum*

Senior/Chief Scientist/Researcher/Physicist, CTO, Technology Scout, Advisor

Decades of experience in the aerospace industry responding to internal needs, winning and working external R&D, building and guiding relationships globally with academic, industrial, and government partners, and advising government agencies on S&T policy.

Key Skills

- Advising (e.g., PCAST TAG and nTAG, NAS, Sandia, LANL)
- Technology scouting, global Conceiving, proposing R&D
- Intellectual property advising and strategy (39 U.S. Patents)
- R&D strategy
- Technology consulting
- Global R&D development
- Applied physics (Fellow, American Physical Society)
- Applied optics (Fellow, Optica (formerly OSA))
- Applied nanomaterials
- R&D team building
- Championing emerging technologies
- Startup advising (technical, IP)
- Academia-to-Industry interface

Professional Experience

GroundLinX Technologies, LLC

Chief Scientist. Earthing/grounding systems, conductive materials.

ZeroTechnology, LLC

St. Louis, Missouri USA
Blue Ridge, Georgia USA

Consulting. VC advising. Intellectual property identification and strategy. Valuation enhancement. Technology advising. Funding and proposal evaluation.

University of Missouri

Columbia, Missouri USA

Adjunct Professor for Physics
Advised S&T departments.

The Boeing Company

St. Louis, Missouri USA

Boeing Technical Fellow. Conceived, proposed, ran internal and external contracted research. Advised corporation on S&T. Global R&D. Advised USG on S&T and S&T policy. VC Technology Scout. Optics, lasers, satellites, physics, energy systems, lightning strike materials, nanomaterials, nanoscience, and numerous applications. Team building, project management, program management.

Education

Advanced studies, Physiological Optics

University of Missouri, St. Louis, Missouri USA

Master of Engineering Management

Washington University, St. Louis, Missouri USA

M.S. Mechanical and Aerospace Sciences

University of Rochester, Rochester, New York USA

B.S. Physics

Clemson University, Clemson, South Carolina USA