

Spring  
2025

# Optics & Photonics Group Lunchtime Seminar Series

University of Nottingham

## Medical Device Design and Commercialization in the US

Dr Lyle Hood

*University of Texas San Antonio*



12:00 Wed 21 May 2025

Life Sciences – Room B3



**OPTICS &  
PHOTONICS**  
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Dr Lyle  
Hood

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## Biography

Dr. Lyle Hood is an Associate Professor of Mechanical Engineering at the University of Texas at San Antonio (UTSA). He has appointments in the Joint Graduate Program for Biomedical Engineering at UTSA and UT Health San Antonio and Emergency Medicine Department at UT Health SA. He received his B.S. in Biomedical Engineering at the University of Houston and his M.S. and Ph.D. in Biomedical Engineering from the joint program between Virginia Tech and Wake Forest. He conducted his postdoctoral work at Houston Methodist Research Institute (HMRI). His research focuses on developing new medical devices for first-responder airway management, controlled drug delivery, and laser surgery. He has received numerous recognitions including UTSA's Innovator of the Year, HMRI's Outstanding Translational Researcher Award, UTSA's Faculty Mentor of the Year Award for Undergraduate Research and Creative Inquiry, and being named a Senior Member in the US National Academy of Inventors. Dr. Hood has authored over 40 peer-reviewed articles, submitted over a dozen patents that are issued or pending, and licensed 5 patents to startups working to translate these medical technologies to clinical practice.

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All are welcome



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