General References


Lecture 1: Radiative Transport Fundamentals


Lecture 2: Optical Coherence Tomography & Scattering Contrast

Lecture 3: Modelling Focused Beam Propagation in Scattering Media


Lecture 4: Monte Carlo Foundations (See also [G.1]–[G.6], [G.8])


Lecture 5: Monte Carlo Extensions & Application (See also [G.1]–[G.6], [G.8])


Lecture 6: Light Fields Generated by Collimated Beams (See also [1.4], [5.3])


Lecture 7: Inverse Adding Doubling for Recovery of Ex Vivo Tissue Properties


Lecture 8: Spatially-Resolved and Spatial Frequency Domain Methods and their Biomedical Application


Lecture 9: Determining Tissue Properties from Optical Measurements (see also [5.4], [7.2])


Lecture 10: Biomedical Applications of Diffuse Optics


Lecture 11: Analysis of Time-Domain and Temporal Frequency Domain Optical Signals


