



Contribution ID: 210

Type: **Presentation**

## **Experimental phantom verification studies for simulations of light interactions with skin**

Raytracing computer models are valuable tools to determine the fluence at a specific depth into tissue, but need to be verified before they can be used with confidence. Such a model for skin showed good agreement (within 10%) when compared with images from experiments on solid resin skin simulation phantoms.

**Primary author:** Mrs KARSTEN, Aletta (CSIR, National Laser Centre)

**Co-authors:** Ms SINGH, Ann (CSIR, National Laser Centre); Ms ABD ALMONEM, Shaimaa (Niles intitute, Cairo University)

**Presenter:** Mrs KARSTEN, Aletta (CSIR, National Laser Centre)

**Track Classification:** Track C - Lasers, Optics and Spectroscopy