



Full list of publications and presentations by Ruth M. Woodward, Ph.D.

PAPERS

"Terahertz technology in the medical and pharmaceutical industry." Woodward RM, *Preclinica*, **2**(5): 328-335 (2004). **Invited**

"Terahertz pulsed imaging and spectroscopy for biomedical and pharmaceutical applications," *Faraday Discuss*, **126**: 255-63 (2004).

"Terahertz pulsed imaging for basal cell carcinoma," *Brit J Dermatol* **149**:108 (2003).

"Terahertz Pulsed Imaging of Skin Cancer in the Time and Frequency Domain." Woodward RM *et al*, *J Bio Phys*, **29**: 257-61 (2003).

"Terahertz pulse imaging of ex vivo basal cell carcinoma samples." Woodward RM *et al*, *J Invest Dermatol*, **120**(1):72-8 (2003).

"Terahertz pulse imaging in reflection geometry of human skin cancer and skin tissue." Woodward RM *et al*, *Phys Med Biol*, **47**(21): 3853-63 (2002).

CONFERENCE PROCEEDINGS

"Terahertz technology in biological and chemical sensing for defence," Woodward RM, *Proc SPIE*, **5617**, to be published (2004). **Invited**

"Tissue Classification using terahertz pulsed imaging." Woodward RM *et al*, *Proc SPIE*, **5318**: 23-33 (2004). **Invited**

"Medical and Pharmaceutical Applications of Terahertz Radiation," *Proceedings of the 28th International Conference on Infrared and Millimeter Waves*, 87-8 (2003).

"Simulation of Terahertz Pulse Propagation in Biological Systems," *Proceedings of the 28th International Conference on Infrared and Millimeter Waves*, 89-90 (2003).

"Terahertz-pulsed imaging of cancers," *Proc SPIE*, **4949**: 353-9 (2003).

"Terahertz pulsed imaging for Medical Applications," *World Conference on Medical Physics and Biomedical Engineering* (2003).

"Biomedical applications of terahertz technology," *LEOS 15th Annual Meeting of IEEE*, **1**: 308-9 (2002).

"Terahertz Pulse Imaging in Reflection Geometry of Skin Tissue Using Time Domain Analysis Techniques." Woodward RM *et al*, *Proc SPIE*, **4625**(28): 160-9 (2002).

"Terahertz pulse imaging of in vitro basal cell carcinoma samples." Woodward RM *et al* in TOPS 56, Conference on Lasers and Electro-Optics (CLEO), Technical Digest-Postconference Ed.: 329-30 (2001).

"Terahertz Imaging and Spectroscopy of Human Skin, *in vivo*," *Proc SPIE*, **4276**: 1-10 (2001).

SEMINARS

"Applications of terahertz technology: from research to industry," Photonex04, Stoneleigh Park, Coventry, UK, October 7th (2004). **Invited**

"Terahertz technology for the evaluation of basal cell carcinoma," SURA Terahertz Applications Symposium, Washington DC, USA, March 17th (2004). **Invited**

Ph.D. THESIS

"Terahertz Pulsed Imaging and Spectroscopy Applied to Dermatology." Woodward RM, Ph.D. Thesis, Jul (2003). The thesis is dedicated to Eileen Woodward, who died of breast cancer in 1966 and Robert Pearson (her brother), who died of leukaemia in 2000.