

**Collimator Width Optimization in X-ray Luminescent Computed
Tomography (XLCT)**

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*Thesis submitted to the faculty of the Virginia Polytechnic Institute and State
University in partial fulfillment of the requirements for the degree of*

Master of Science

In

Computer Engineering

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1 May 2013

Blacksburg, VA 24061

Keywords: X-ray Luminescence, Computed Tomography, Monte Carlo Methods

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Description of item under review for fair use: Fig.1 X-ray Crystallography showing characteristic peaks, Tian et.al, J. Alloys & Comp. v. 133(1-2), 2007

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Description of item under review for fair use: Figure 2: TEM Image of XL Nanophosphor (Tian et.al, J. Alloys & Comp, 2007, Fair use 2013)

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Description of item under review for fair use: Figure 4: Comparison between experimental and simulation results (Courtesy G. Pratz et.al, Optic Letters v. 35(20), 2010)

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Description of item under review for fair use: Figure 6:(L-R) Phantom, Projection Fluoroscopy & Optical emission. (Courtesy: Carpenter et.al, Med. Physics 2010)

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This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

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Description of item under review for fair use: Figure 8: 3D Reconstruction of phantom in CB-XLCT (Chen et.al, MPH 40(3), 2013. Colored region shows reconstruction, circled region indicates the actual position of the sample of nanophosphor)

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