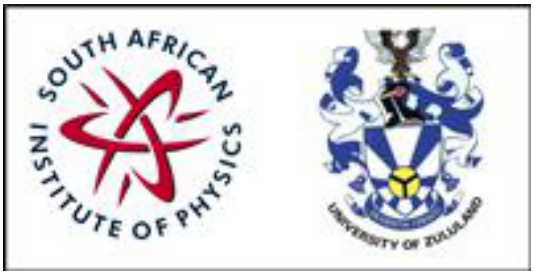

Contribution ID: **261** Type: **Poster Presentation**

Modal decomposition of Bessel-Gaussian beams

Tuesday, 9 July 2013 17:40 (1 hour)

Abstract content
   (Max 300 words)

Bessel beams have many properties which make them to be an interest of study. Their known properties include that they are non-diffractive of a certain region, they form an annular ring at far distances and they self reconstruct after encountering an obstruction. In this poster we will demonstrate an efficient way of measuring the Bessel beam parameters using a simple experimental setup where spatial light modulators will be used to generate Bessel-Gauss beams and to measure the orbital angular momentum (OAM) state they carry as well as their radial component using a modal decomposition technique.

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MSc

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Prof. A. Forbes, AForbes@csir.co.za,CSIR National Laser Centre, PO Box 395, Pretoria 0001, South Africa

Would you like to <br> submit a short paper <br> for the Conference
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