TITLE
Experiments with Structured Light

ABSTRACT
The overview of our recent results on Orbital Angular Momentum (OAM) of light, in particular, its propagation, cancellation and cross-talk will be given.
We will also discuss a variety of other topics including atmospheric turbulence simulations, detection of Hermite-Gaussian modes, non-coherent scintillation and creation of new singular beams.

BIO
I am a physicist specialized in optics and wave propagation in turbulent media. I did my grade thesis on the effects of turbulence on a Young experiment. Later I did my PhD with Professor Dario Perez at PUCV. My doctorate was mainly focused on new turbulence models and some experiments such as twin beam propagation and turbulence temporal statistics. Tree years ago I joined the Optical Systems Group at the Universidad de los Andes. Since then I have been working on Laguerre-Gaussian beam propagation for communication purposes.