

# Open Talk

**11<sup>th</sup> July, 2019**

**4:00 PM**

**Boson Hall**

**SPEAKER**

**Dr. Amit Rai**

Assistant Professor  
Physics and Astronomy  
NIT, Rourkela

**TITLE OF THE TALK**

**"Quantum walk of light in optical waveguides"**

**ABSTRACT**

Photonic waveguides have emerged as an ideal system for the study of quantum optical effects. In addition, they find interesting applications in quantum information science. I will describe my work on the transport and quantum walk of light in optical waveguides.

**HOST FACULTY**

**Dr. M. Sanjay Kumar**

Department of Theoretical Sciences  
**S. N. Bose National Centre for Basic Sciences**