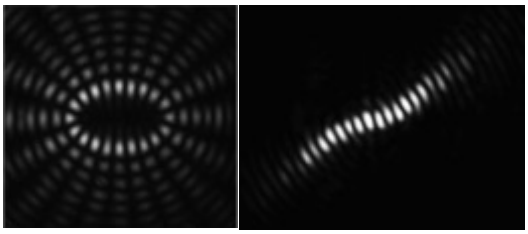
コヒーレント光科学セミナーのご案内

米国コルゲート大学の Enrique J. "Kiko" Galvez 先生が 12 月 26 日に本学を訪問されます。
先日本学を訪問されたハイデラバード大学の Viswanathan 先生とも共同研究をされています。

ついては下記の要領でセミナーを開催いたします。
光の空間モードの 3 次元的な設計と実現についてお話し頂きます。
研究室の研究員、学生の皆様もお誘い合わせのうえ、奮ってご参加下さい。



Coherent Optical Science Seminar on Information Optics

Date: Thursday, 26 December 2019
Time: 15:10-16:10
Place: Room #803, East 6 Building, UEC

Speaker: Enrique J. "Kiko" Galvez, Colgate University
Title: Designer Optical Beams: Controlling the light's amplitude, phase and polarization to produce modes in 3-dimensions
Abstract:
The advent of electronic diffractive devices has allowed exquisite control of light beams. Non-diffractive beams are designed to exist only over a certain region of space. They are particularly suitable for control of the light along the propagation direction. They encompass a large class of novel beams, such as Bessel, Mathieu, and Airy beams. They have led to a number of applications in imaging and manipulation. At the presentation I will show our most recent investigations on Poincare-Bessel, where we vary the polarization along the propagation direction; and Pendulum beams, where the light intensity mimics the quantum probabilities of the simple pendulum.

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