



**IO-CSIC OSA student chapter**  
Instituto de Óptica  
Consejo Superior de Investigaciones Científicas  
(CSIC)



**ICFO OSA student chapter**  
L'Institut de Ciències Fotòniques  
(ICFO)

## **Invited talk**

### **IO-CSIC OSA student chapter**

**Friday, 25<sup>th</sup> October, 12 am**  
**Sala de Conferencias Instituto de Óptica (CSIC)**  
**Serrano, 121 Madrid**

## **How to Fly with Eagles: Optics & Business**

### **From graduate student to company founder to global economic developer**

**Dr. Robert P. Breault**  
Breault Research Organization, Inc. Tucson, Arizona (USA)

**Optics and photonics industries are among the all-time fastest growing technologies. There are not enough trained people to fulfill the demand. In the ever evolving global economy, entrepreneurship is a hot topic for economic regions of the world. The emerging optics graduates have an open invitation to participate. This presentation will explain how one little boy, from a *long* time ago, had the vision to get involved as a pioneer researcher, an innovator, as a public, private entrepreneur and as Angel investor.**

Dr. Robert P. Breault received his Bachelor of Science in mathematics from Yale University in 1962. After his 7 years in the service as an Air Force pilot in North Vietnam, he resumed his education, and received a MS and Ph.D. from the University of Arizona Optical Sciences Center in 1979. In this year he founded the Research Organization, Inc. (1979 BRO, <http://www.breault.com>). Dr. Robert P. Breault and his company are stray light analysis experts and have performed about 286 plus stray light analyses, 26 on stray light test chambers, and space based systems such as the Hubble, DIRBE/COBE, Spitzer, XMM, IRAS, ISO, Galileo, Cassini, etc. BRO is an optical engineering firm providing optical software products and training courses that help engineers turn creative visions into working prototypes. He has also been involved in regional, national and global Optics/Photonics Cluster Economic development.

**The conference will be broadcast live thanks to the Comite de Ciencias de la Visión de SEDOPTICA and the USC-OSA Student Chapter**

**More info at [iosa.student.chapter@gmail.com](mailto:iosa.student.chapter@gmail.com)**