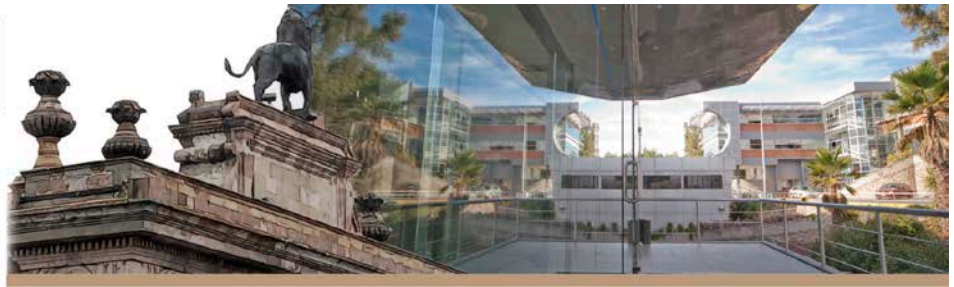


MOPM

MEXICAN OPTICS AND
PHOTONICS MEETING

September 9 -11, 2015
Leon, Guanajuato Mexico



The Era of Entrepreneurship and Innovation in Electro-Optics

Zeev Zalevsky

Faculty of Engineering, Bar-Ilan University, Ramat-Gan 52900, Israel

ABSTRACT

In my talk I will present the process of entrepreneurship starting from a seed idea and passing all the long and frustrating cycle of prototyping, fund raising, research and development, marketing, mass fabrication and until becoming a product that can be distributed to the end user and from which the end user can benefit/enjoy. I will give recent examples of the importance and the impact that this process has in the field of electro-optics and mention various optical inventions from the last decade.

Following that I will focus on the path of specific photonic technologies related to my personal research activity and which will involve devices for the field of optics communication and cyber, through laser based pico-projectors, three dimensional sensing technologies, ophthalmic extended depth of focus lenses for solving presbyopia and astigmatism, special contact lenses to allow blind people to “see”, micro-endoscopy for minimally invasive diseases diagnosis and treatment and wearable photonic multi-functional bio-sensor.



RIAO

