Message from the Guest Editor

Dear Colleagues,

Optical systems with balanced linear gain and loss have proved a fertile ground to realize PT-symmetric models. Collections of thin films, engineered volumetric optical potentials, scattering centers in waveguides, discrete systems involving effective coupled modes, in general, any optical systems that obeys a Schrödinger-like equation, where an idea of spacetime reflection is created via linear loss and gain, can be used to realize optical analogs of quantum systems described by non-Hermitian PT-symmetric Hamiltonians.

In this Special Issue of *Symmetry*, we are interested in such systems, and ask for your help to explore their spectral singularities, underlying symmetries, propagation dynamics, and applications in all fields of optics.

Prof. Dr. Blas Manuel Rodríguez-Lara
Guest Editor

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