

# Laser, Optics and Photonics

August 23-24, 2018 | Paris, France

## Two-sided half-reflective light dot plate is valid for all wavelengths, according to multiple angles

**MHD Saeed Maroof**

Damascus University, Syria

The semi-reflective plates of light are important visual elements used in optical experiments, optical electronic devices, and laser devices. But its work is limited to a single wavelength and must be placed according to a specific angle of direction, which is  $45^\circ$ , but if we have to use the length of another wave, a half-reflective plate should be used for another wavelength, and the plate should be adjusted at  $45^\circ$  angles to divide the incoming light. Two packets are quite equal in

optical intensity. So, I worked in this research to design a semi-reflective light plate that works for any wave length in the visible and near red fields. The light can also be divided into two equal bands of optical intensity, even if the angle of direction of the plate is not  $45^\circ$  for several angles. Here lies the importance of this research. I hope this search serves many visual applications.

e: saeedmaroof123@gmail.com