## A Review of Optomechatronic Ecosystem

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**Abstract :** The landscape of Opto mechatronics is viewed along the line of light vs. matter, photonics vs. semiconductors, and optics vs. mechatronics. Optomechatronics is redefined as the integration of light and matter from the atom, device, and system to the application. The markets and megatrends in Opto mechatronics are further listed. The author then focuses on Opto mechatronic technology in the semiconductor industry as an example and reviews the practical systems, characteristics, and trends. Opto mechatronics, together with photonics and semiconductor, will continue producing the computational and smart infrastructure required for the 4th industrial revolution.

Keywords : photonics, semiconductor, optomechatronics, 4th industrial revolution

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