

• Health monitoring

The field of photonics is at the cross-roads of several disciplines including physics, electronics, mathematics and chemistry. It has revolutionised telecommunications and the internet through the development of fibre-optic networks, but is also hugely important in a diverse range of other fields. Almost all materials have a spectral response, and optical technologies have the advantages that they can be **cheap** and **compact**, usually have a small footprint so can be **integrated at-/in-line**, and are typically **non-invasive** and **non-destructive**. This makes photonics an ideal solution in industries such as **food**, **pharmaceutical**, **bio-medical** and **agriculture**.

Rialtas na hÉireann

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