

Research on optical TEMPEST has exploded since 2002 when the first two papers on the subject appeared from widely separated locations within a week of each other. Since that time, vulnerabilities have evolved along with systems, and several new threat vectors have consequently appeared. Although the supply chain ecosystem of Ethernet has reduced the vulnerability of billions of devices through use of standardised PHY solutions, other recent trends including the Internet of Things (IoT) in both industrial settings and the general population, High Frequency Trading (HFT) in the financial sector, the European General Data Protection Regulations (GDPR), and inexpensive drones have made it relevant again. One of the general principles of security is that vulnerabilities, once fixed, sometimes do not stay that way.