

Press Release

TeraView to attend Photonics West 2022 with Calmar Laser

Cambridge UK December 2021 – TeraView, the pioneer and leader in terahertz technology and solutions (<https://teraview.com/>), is pleased to announce that it will be exhibiting at Photonics West 2022 in partnership with Calmar Laser.

TeraView's Head of Applications, Dr Philip Taday, will be in attendance to discuss all things terahertz, including TeraView's latest product aimed at the future telecommunications industry, the 6GSolve. The module is powered by TeraView's TeraPulse Lx instrument, which contains a Calmar laser inside.



The event will take place on 22 - 27 January 2022 in San Francisco, USA. Please stop by booth 3456 in the Moscone Center, Halls D/E 25 – 27 January.

Dr Don Arnone, TeraView's CEO, commented '*The 6GSolve system has been developed in close collaboration with our customers to deliver information on materials and devices destined for use in future 6G networks. Carrying on our 25 year tradition of supplying tools and solutions to develop the terahertz spectrum, 6GSolve is a key step towards supporting the development of 6G technology and delivering the immense promise of 6G to the market. We are also very pleased to introduce the instrument in collaboration with partners at Calmar Laser, a leader in the ultrafast laser market.*'

Dr Philip Taday, Head of Applications, comments '*TeraView is pleased to be able to attend its first face-to-face conference in almost two years. During that time we have developed the 6GSolve, an instrument that allows for characterization of materials beyond 5G.*'

Dr Tony Lin, Founder Calmar Laser, comments '*We are excited to be back live and in person at Photonics West to show off our latest product developments from the last two years. It's especially rewarding that our partners from TeraView will join us to present their latest innovation in terahertz instrumentation.*'

About Terahertz

Terahertz light lies between infra-red and microwaves, and as such has unique properties which enables it to pass through objects and to transmit images and compositional (spectroscopic) information that is ordinarily hidden. Terahertz pulses are non-destructive, safe and fast, making it the ideal inspection and imaging modality for many applications across a range of industries. Terahertz pulses also has the inherently high bandwidth needed for next generation high speed wireless communications at terabit (10^{12} bit) data rates.

TeraView has demonstrated the potential of terahertz technology in a number of applications including the detection of faults and quality issues in semiconductors, monitoring the quality of pharmaceutical drugs and high value coatings used in automotive, aerospace and other industries.

About TeraView

TeraView (<https://teraview.com/>) is the world's first and leading company solely focused on the application of terahertz light to provide solutions to customer issues. A spin out from the Toshiba Corporation and Cambridge University, TeraView has developed its proprietary technology across a number of markets. These include fault analysis and quality assurance for semiconductor chips used in mobile computing and communications, as well as non-destructive inspection of high value coatings used in the automotive, pharmaceutical, food and solar industries. With the largest number of systems in the field, as well as applications know-how made available to customers via a team of dedicated engineers using intellectual property and knowledge in peer-reviewed scientific publications, TeraView is uniquely placed to deliver the business benefits of terahertz to customers. Headquartered in Cambridge UK, sales and customer support are available throughout the Far East, North America and Europe either directly or through a network of distributors.

About Calmar Laser

Calmar Laser (<https://calmarlaser.com/>) is a US-based, ISO 9001:2008 developer and manufacturer of innovative ultrafast fiber laser and fiber amplifier solutions for OEM, B2B, industrial, medical and scientific applications.

Since 1996 Calmar Laser (then Calmar Optcom) has served universities and research institutions with leading-edge ultrafast fiber laser platforms. Its compact, robust designs have also enabled long term partnerships with customers in the fields of advanced high-speed test and measurement, optical communications, biomedicine, component characterization, semiconductor metrology, ophthalmology and micromachining. Today, Calmar continues the tradition of technology leadership with its unique range of ultrafast fiber laser platforms designed for simple, hands-off, reliable operation.