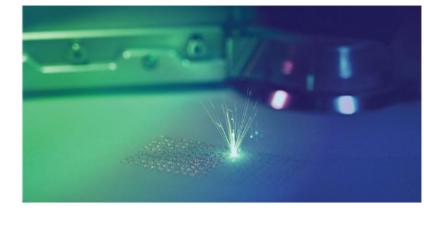


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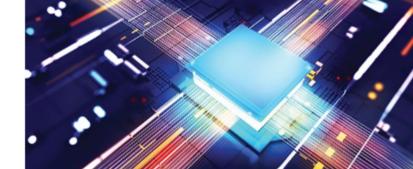
# Femtosecond Lasers Spur a Precision Revolution in Materials Processing

The physical parameters and versatility of femtosecond

of more conventional laser technologies. As emitters of highintensity, ultrashort-pulse radiation, the current class of femtosecond lasers is essential to materials micromachining

sources help to facilitate operations that are beyond the reach

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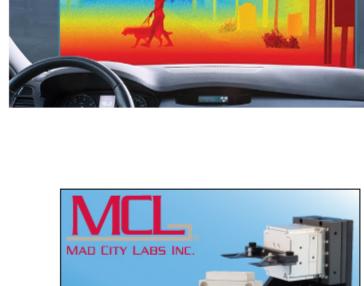


# Solutions Advance Beyond PICs As the field of integrated photonics has transformed from one

In the All-Data Revolution, Optical

of theory into one of practice, rapid progress in materials science, device design, and manufacturing processes in the past two decades has helped drive the commercialization of PICs for various applications. Today, photonic integration is characterized by multiple photonic components integrated onto a single chip. These highly efficient, compact, and versatile devices represent a new frontier for advanced optical

signal processing and communications. Read Article



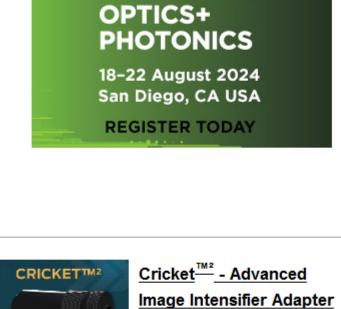
# According to data from the National Highway Traffic Safety Administration, more than 75% of automotive-related

Risks to Pedestrian Safety

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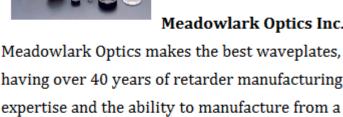
pedestrian fatalities in the U.S. in 2021 occurred at night. This value is hardly an outlier. Nighttime pedestrian fatalities in the U.S. increased at a rate of more than 3× that of comparative daytime incidents since 2010, per the Governors Highway Safety Association. Read Article PLAN TO PARTICIPATE





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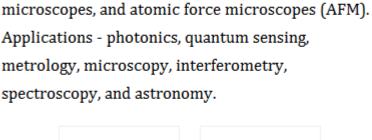
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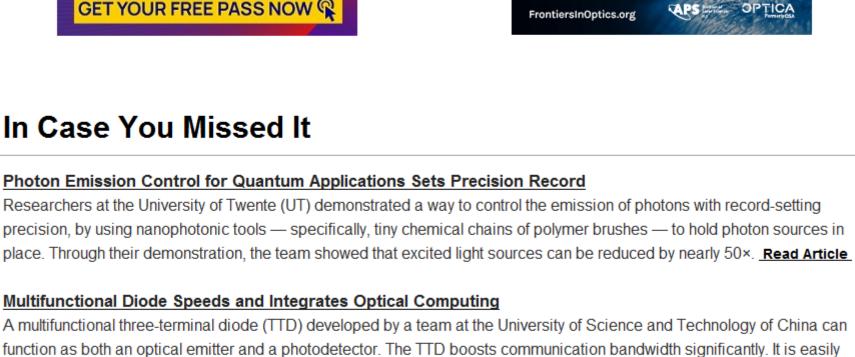
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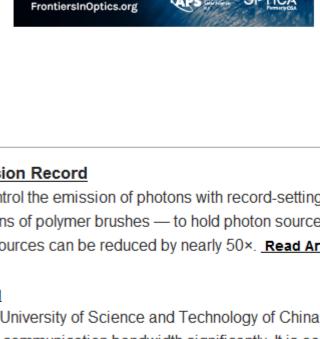
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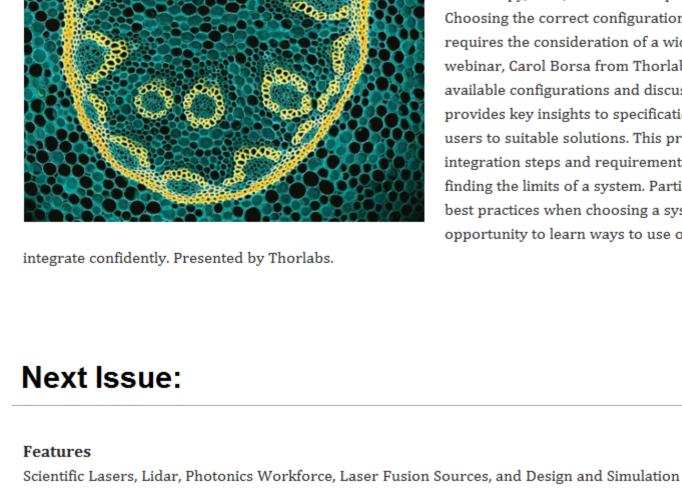
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