



WEBINARS

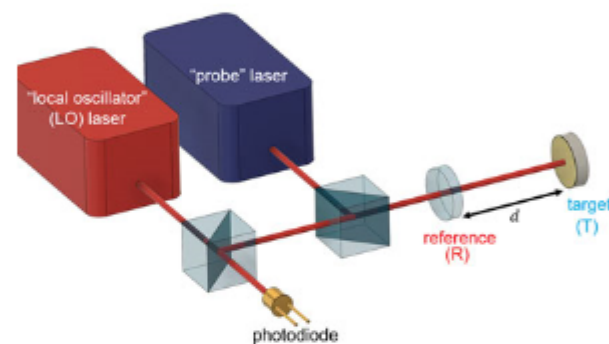
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Dual-Comb Ranging for Industrial Applications

Tuesday, February 13, 2024 10:00 AM - 11:00 AM EST

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Researchers developed a simplified variation of the dual-comb ranging (DCR) technique: two-photon dual-comb LiDAR, which allows data to be collected using time-tagging electronics. The switch from high-bandwidth digitization to time-tagging represents a significant reduction in the data burden associated with DCR. Despite the simplifications made, these demonstrations show comparable measurement precision to the conventional technique. In this webinar, Hollie Wright, Ph.D., discusses the technique and explains the many advantages it offers compared to conventional DCR. She shares results from various demonstrations including multi-target ranging and target pose sensing and shares as-yet unpublished results from demonstrations with non-cooperative targets. Finally, Wright discusses the outlook for the technique and future work plans.



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