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Using Lidar Information to Help Safety First Responders YASH GANDHI, Southwestern University, VIHANG JANI, JEB BENSON, National Institute of Standards and Technology — In emergencies, many public safety personnel die within a few feet of safety. Lidar can be used to create a dynamic map of an area. When Lidar data is combined with a simultaneous localization and mapping algorithm, the result can be used to help safety first responders navigate through a number of dangerous environments. This talk will describe the details of such a system.

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