Hybrid Chapter Meeting and Presentation
September 19th, 2023 @ 6:30 PM Eastern

Please join us for our upcoming meeting where we will be featuring the following presentation:
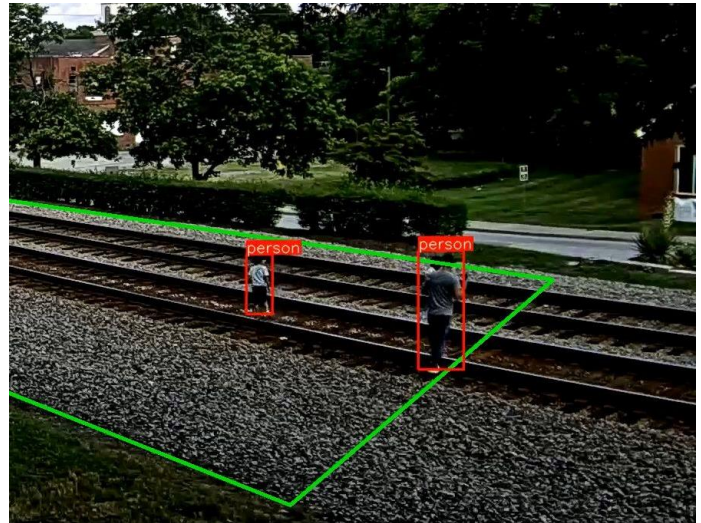
Computer Vision and Artificial Intelligence in Rail Transit
Presented By: Asim Zaman, P.E.

Deaths at highway-rail grade crossings and railroad trespassing accounted for an average of **95% of all railroad** fatalities in the past 10 years. As traffic increases and high-speed rail spreads, the number of fatalities is expected to rise. This research utilizes state-of-the-art **vision-based artificial intelligence (AI) techniques** to record, recognize, and understand violations in real time. This system's understanding of active grade crossing violations helps to develop better engineering enforcement and education strategies.

Asim Zaman, P.E.

Asim Zaman is a Project Engineer at Rutgers Center for Advanced Infrastructure and Transportation (CAIT). His research focuses on development of AI and edge computing algorithms and hardware for railroad applications. He received his M.S. in railroad engineering and received the Dwight D. Eisenhower Transportation Fellowship in 2020 for his research using Artificial Intelligence to detect trespassing in the railroad industry. Asim previously worked for the New Jersey Department of Transportation as a senior engineer and has over 9 years of experience in transportation engineering and project management and is a Professional Engineer in New Jersey.

This presentation qualifies for 1 Continuing Professional Competency Credit (CPCC) for New Jersey Licensed Professional Engineers

Place
Richard Weeks Hall of Engineering - 3rd Floor Conf. Room or via Zoom
Login Information Provided Prior to Presentation

Date & Time
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Register
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