Program Benefits

Upon completing this program, you will:

- Gain an understanding of the fundamental principals that determine the handling and ride performance of pneumatic-tired vehicles
- Examine the special mechanical and geometric properties that determine the unique performance properties of commercial trucks
- Understand the influences of the mechanical properties of subsystems and components on the dynamic performance of the total vehicle system
- Gain exposure to methods and tools available to analyze truck behavior

Who Should Attend

In addition to vehicle dynamics engineers, this course is intended for those engaged in activities such as:

- Truck and truck component design
- Truck equipment selection
- Fleet safety operations and equipment specification
- Accident prevention
- Development of truck safety standards
- Highway/truck interaction
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Keep Current with the Latest Research and Information

People who attended this program ten or more years ago and new engineers who could benefit from learning about truck mechanics also will find it valuable.

Free Trucksim® Software Trial

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Dynamics of Heavy Trucks

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Program Components

Fundamentals of Heavy Duty Trucks
- Categories of performance
- Subsystems of the vehicle
- Terminology, sign conventions, symbols
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- Contrasts between motor car and heavy duty truck
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Truck Components: Physics & Math Models
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- Simplifying assumptions
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He Wrote the Book on Vehicle Dynamics

Program Details

Certificate
A non-credit certificate of professional achievement in Dynamics of Heavy Duty Truck Systems will be awarded upon successful completion of this program.

How to Register
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PROFESSIONAL CERTIFICATE PROGRAM

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