



FIREVR

FIREFIGHTING VR SIMULATION

FireVR is an Interactive Virtual Reality Simulation Aimed to Provide Realistic and Operational Level Training in Fighting with A, B and F Class Fire Types.



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System Components

Modeling

- Physical Modeling
 - Fire Type
 - Burning Material
 - Oxygen Density
- Fire Types
 - Fire Class A: Solids like wood, cloth, paper etc.
 - Fire Class B: Explosives and combustibles like oil fuel, thinner etc.
 - Fire Class F: Cooking equipments etc.

Hardware Properties

- Configurable Hardware Units
 - VR Headset
 - Fire Extinguisher Model
 - Cave
 - Projection
 - Visualization on a Large Screen



Ability to Manage Simulation

- Firefighting in Different Environments
 - Office
 - Workplace
 - Kitchen
- Training Scenarios
 - Use of Extinguisher
 - Use of Alarm
 - Escape from Fire
 - Fuse Closure



Fire Fighting Assessment and Evaluation

- Implementation of Correct Intervention Steps
- Intervention Distance
- Intervention Period



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