



JORDAN “Jay” A. MUMPER
STAFF CONSULTANT

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Jordan Mumper is a Staff Consultant for Engineering Systems Inc. (ESi) in the Fire & Explosions practice group. Prior to joining ESi, he worked as a C230 Cyclotron Engineer and was involved in projects centered around cyclotron subsystems and power monitoring systems. He performed failure analysis and troubleshooting of several systems to include, cooling & vacuum systems, high & low voltage units, Forte Automation robotics, Sedecal x-ray generators & flat panel imagining systems. He has experience in failure analysis, 3-D modeling, and origin & cause investigation for fire and accidents.

Areas of Specialization

Fire & Explosions
Electrical and Gas Appliances and Utilities
Fire Dynamics, Growth and Spread
Smoke, Heat, and Gas Dispersion
Residential Fires and Explosions
Fire Protection System Failures
Fire Origin and Cause Analysis
Valves, Fitting, Regulators, and Piping
Maintenance and Operating Procedures

Education

B.S., Electrical Engineering, California State University, Northridge (CSUN), Los Angeles, CA, 2020

Positions Held

Engineering Systems Inc., Dallas, Texas

Staff Consultant, 2025 – Present

Ion Beam Applications, Inc, Oklahoma City, Oklahoma

C230 Cyclotron Engineer, 2021 – 2025

Larry Rohrer Investigations, Inc., Valencia, California

Forensic Electrical Engineer, 2013 - 2021

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