

Sandia National Laboratories Information Session



World-changing technologies. Life-changing careers.

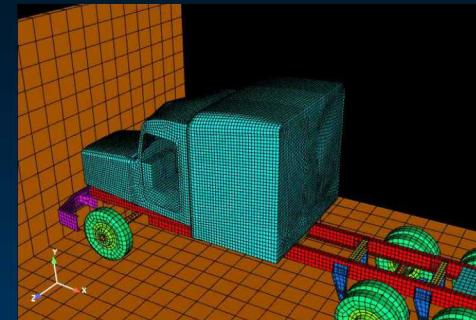
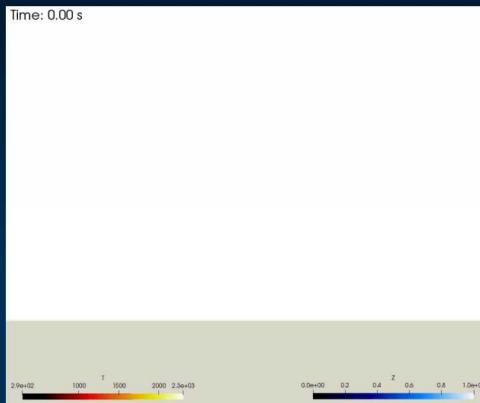
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

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2 Sandia – Mechanical Engineering Software Development

Sandia employs 100+ Mechanical Engineers as Software Engineers

- Need for Engineers with Software Development Experience in:
 - Geometric Modeling, CAD
 - Mesh Generation
 - Finite Element Analysis
 - Solid Mechanics
 - Solid Dynamics
 - Thermal
 - Fluids & Aerodynamics
 - Graphical User Interfaces
 - Computer Graphics
- Software designed, developed & used in-house
- C++, Java, Python, MPI, HPC, GPU
- Software designed for world-class massively parallel HPC

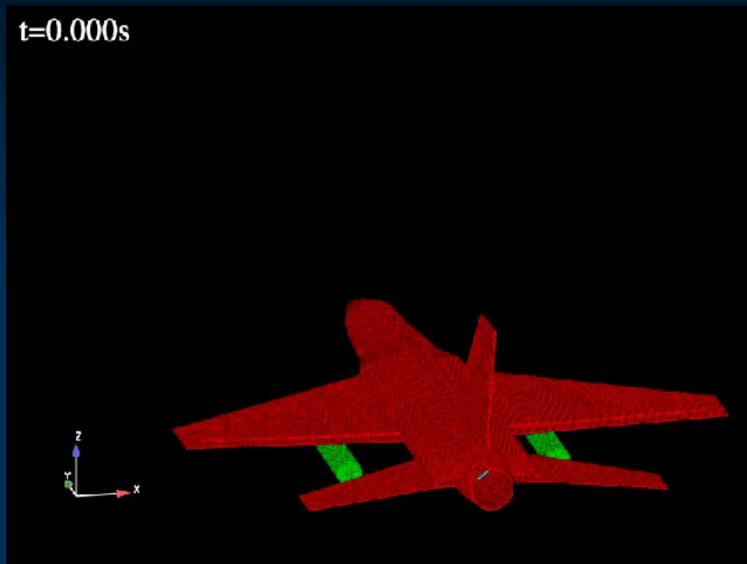


Sandia – Mechanical Engineering Software Development

Software Simulations for Sensitive National Security Applications

What happens if an F-16 flies into a nuclear power plant?

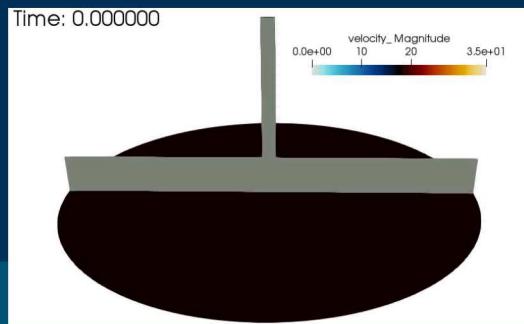
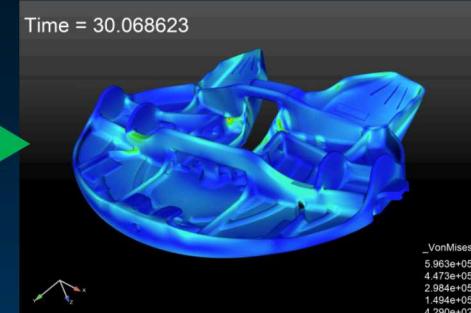
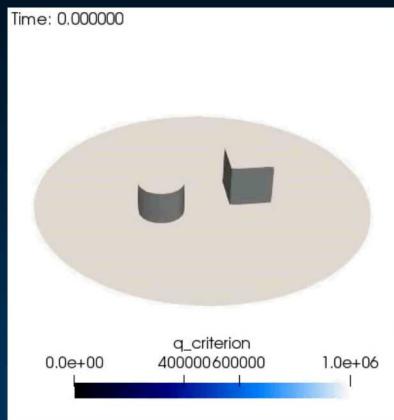
Will the concrete barriers be breached?



Computational simulation software validated with on-site physical testing facilities

Sandia – Mechanical Engineering Software Development

Cross-disciplinary agile software development teams composed of Mechanical Engineers, Computer Scientists, & Applied Mathematicians



Did you enjoy:

- CE EN 170
- ME EN 273
- ME EN 471
- ME EN 504
- CE/ME EN 507
- ME EN 541
- CE/ME EN 570
- CE EN 572
- ME EN 578

Internships and full time employment options available

Sandia's Brand Promise - *Sandia's Employee Value Proposition*

- ***National Security Mission:***
Your work contributes to the security, peace and freedom of our nation and the world
- ***Uniquely Challenging and Important Work:***
The work you do will be challenging, and amazing with real-world impact
- ***Work with Great People:***
You will work with extraordinary people, the top minds in their field
- ***Research Facilities Like None Other:***
You will have access to some of the best tools, equipment, and research facilities in the world
- ***Healthy Lifestyle, Work-Life Balance:***
You will experience a balance between your work life and personal life through flexible schedules (9/80, 4/10), competitive benefits, and convenient amenities
- ***Career Mobility:***
You can have a full-life career at Sandia by working across multiple projects and areas of your interest
- ***On-Site Perks:***
On-site weight room & medical clinic, KAFB recreation equipment/trips, swimming pools, etc.

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Sandia National Laboratories

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Careers

Turn your passion for engineering into a career.
Solve challenging national-security problems that defy easy textbook answers.

Career possibilities

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 » Bioscience » Cybersecurity » Electrical Engineering » Nuclear Engineering
 » Business Support & Operations » Geoscience » Physics » Systems Engineering
 » Chemistry & Chemical Engineering » Materials Science

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