Ph.D. Chemical Engineer w/ experience in chemical process industries

Exponent is a leading engineering and scientific consulting firm. Our multidisciplinary team of scientists, engineers, physicians, and regulatory consultants brings together more than 90 different disciplines to solve complicated problems facing corporations, insurers, government entities, associations and individuals. Our approximately 900 staff members work in 24 offices across the United States and abroad. Exponent has over 600 consultants, including more than 350 that have earned a doctorate in their chosen field of specialization.

Exponent’s Thermal Sciences Practice provides consulting services in a wide array of engineering applications including residential and vehicle fire analysis, the investigation of fires and explosions at chemical processes, petrochemical, manufacturing and other industrial facilities, and fire protection engineering. Our engineers also specialize in fluid flow evaluations, such as smoke and plume propagation modeling. We routinely assist our clients in solving their design challenges involving household, commercial and industrial appliances, including heaters, furnaces, boilers and turbines.

We are recruiting for a Chemical Engineer in the Thermal Sciences Practice in our Lisle, IL office. The successful candidate will be involved in the investigation of fires, explosions and chemical releases. They will use their expertise in chemical engineering sciences to perform accident investigation and prevention, equipment failure and reliability analysis, process hazard and risk analysis, and chemical process analysis.

Qualifications for this position include:

- Ph.D. in Chemical Engineering
- One to two years postgraduate work experience in the chemical process industries desirable
- Strong interest and demonstrated ability in chemical process dynamics and control, chemical process design and synthesis, chemical reactor design and analysis, or separation systems
- Strong skills in laboratory methods including construction of experimental apparatus, instrumentation, data acquisition and data analysis
- Strong quantitative skills including mathematical modeling, numerical analysis, probability and statistics
- Demonstrated leadership skills and proven ability to work in a multidisciplinary environment
- Outstanding written and verbal communication skills
- Enduring commitment to professional development as evidenced by track record of peer-reviewed publications, participation in technical conferences and commitment to professional engineering licensure or professional certifications
- Strong desire and ability to tackle a wide variety of engineering problems within and outside their direct areas of specialization

For consideration, contact Jenny Irwin at jirwin@exponent.com with resume & reference ‘2678’

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