



Chemical Engineering Seminar Series

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102 Chemistry

Accelerating Energy Innovation: Job Opportunities at ARPA-E for Technical Ph.D. Candidates

Abstract

The Advanced Research Projects Agency-Energy (ARPA-E) advances high-potential, high-impact energy technologies that are too early for private-sector investment. This seminar will discuss opportunities for employment as a Fellow, Program Director, Technology to Market (T2M) Advisor or T2M Scholar as well as how to become more involved with ARPA-E through current funding announcements.

Details on Current Opportunities:

Fellowship Program - ARPA-E is looking for the next generation of scientific leaders to help solve the most pressing and exciting challenges in energy. The Fellows assist the Agency in identifying possible breakthrough energy technologies through technical and economic analyses. During their two-year tenure, ARPA-E Fellows influence the direction of American energy innovation, engaging with world-class researchers in academia and industry, entrepreneurs and government officials. Ph.D. in a relevant field required.

Technology-to-Market Advisors - ARPA-E is seeking highly motivated tech-to-market experts with a unique mix of technical, business and entrepreneurial experience to create high-impact energy technology development programs and prepare teams and technologies for commercial markets. T2M Advisors are expected to have core skills in business development / technical marketing, product development, supply chains and/or financial analysis. T2M Advisors guide ARPA-E awardees in the development and execution of technology commercialization strategies.

Technology-to-Market Scholars - ARPA-E recruits Technology-to-Market Scholars who have a unique combination of technical and business skills to assist in the commercialization of high-impact technology development programs. This internship opportunity offers exposure to promoting the transition of cutting-edge energy technologies to market in a fast-paced environment. Scholars assist with T2M program efforts in one or more topical areas. Each selected Scholar will be paid a weekly stipend and travel costs; length of stay ranges from 8-12 weeks. Ideal candidates will have a bachelor's degree (preferably in a technical field), are in the midst of completing a graduate level degree (preferably MBA or technical degree M.S./ Ph.D. with a business focus) and 3+ years relevant work experience.

Program Directors - ARPA-E hires Program Directors with visionary ideas on promising areas for new energy technologies. Program Directors are responsible for program creation, design, implementation and management.

Biography

Dr. Joseph Rollin serves as an ARPA-E Fellow with interests in biofuels, hydrogen, geothermal and bioengineering. Prior to joining ARPA-E, Dr. Rollin co-founded Gate Fuels Inc. and Cell-Free Bioinnovations Inc., to further develop Bacillus and cell-free platforms for the production of value-added chemicals and fuels. He earned his Ph.D. in Biological Systems Engineering at Virginia Tech, where he was advised by Dr. Y.H. Percival Zhang. His graduate work was supported by the Department of Defense, through the National Defense Science and Engineering Graduate (NDSEG) Fellowship.