Postdoctoral Fellowship Opportunity in Hydrogen Supply Chain Evaluation and Planning

The Mork Family Department (MFD) of Chemical Engineering and Materials Science at the University of Southern California (USC) is pleased to announce a 12-month postdoctoral, with potential for extension, under the supervision of Professor Jay H. Lee. This opportunity is in collaboration with an international energy company and focuses on developing innovative frameworks for hydrogen supply chain planning. These frameworks integrate multi-stage stochastic optimization and reinforcement learning, aiming to enhance integration with related sectors.

Role Expectations:

- Collaborate with Dr. Lee's research group on topics including reinforcement learning and multi-stage stochastic optimization.
- Contribute to national and international conferences, with opportunities for dissemination based on mutual agreement.

Candidate Qualifications:

- Expertise in computer programming, chemical process optimization, machine learning, and first-principles modeling of chemical and manufacturing systems.
- Demonstrated ability to solve complex problems using advanced optimization software and/or machine learning technologies.
- A Ph.D. degree with proven research excellence.

Application Requirements:

- A cover letter detailing your interest and qualifications for the fellowship.
- A comprehensive curriculum vitae.
- Names and contact information for three references.

Selection Process:

- Applications will be accepted on a rolling basis until the position is filled.
- The successful candidate should be prepared to start as soon as possible, with accommodations available if necessary.

Compensation:

- Salary will be commensurate with the candidate's qualifications and experience.

Application Submission:

- Please send your application to Professor Jay H. Lee at jlee4140@usc.edu.

USC is committed to diversity and inclusivity in all hiring and employment practices and strongly encourages applications from underrepresented groups. At USC, you will join a vibrant community that values cross-disciplinary collaboration and benefits from the cultural diversity of Los Angeles.