POSITION TITLE:

Assistant Director,
UD Fuel Cell Bus Program and Center for Fuel Cell Research (CFCR)

CONTEXT OF THE JOB:
The UD Fuel Cell Bus Program has been in existence since 2005 under funding from the Federal Transit Administration. Five Phases have been funded to date with a total of over $10 million. Each of the first four Phases has resulted in a fuel cell bus; two of them operate daily on UD campus, with two more due for delivery. A hydrogen refueling station was also established at Air Liquide for our Fuel Cell Bus Program. In addition, a thriving research program has been created in automotive fuel cells. Current funding will see the program through 2015-16.

Leveraging our fuel cell bus activities, the Center for Fuel Cell Research (CFCR) was created in 2009. Its mission is to promote basic and applied research to improve fundamental understanding of fuel cells, and address critical issues and barriers to commercialization; provide undergraduate and graduate students with the opportunity to participate in fuel cell research and demonstration projects; provide an opportunity to support companies in the region that are engaged in the development of fuel cells and the hydrogen infrastructure; and create an opportunity for national and international recognition and a platform for economic growth.

Under the limited direction of the CFCR Director, the Assistant Director will work to grow the scale of the activities currently ongoing within the Fuel Cell Bus Program and the CFCR. Activities will include supporting ongoing research and demonstration projects with the fuel cell bus program, the hydrogen refueling station, and the fuel cell bus parking and maintenance facility, conduct public outreach, travel to conferences and network with other research groups and centers across the country, develop relationships with industry, seek and identify funding opportunities, contribute to the development of proposals, and other related work.
MAJOR RESPONSIBILITIES:

- Provide administrative and technical leadership as well as outreach support to ongoing research and demonstration projects with the fuel cell bus program, the hydrogen refueling station, and the fuel cell bus parking and maintenance facility.
- Identify and secure new research and demonstration project opportunities in the area of fuel cell buses, hydrogen infrastructure, batteries, and hybrid automotive technology.
- Coordinate joint collaborations with other research groups and centers across the country by networking at conferences and other national meetings.
- Develop relationships with external constituents in industry. Provide leadership in the education and promotion of the capabilities of the CFCR among industry and solicit joint collaborations and/or contracts.
- Seek and identify funding opportunities from federal or state agencies, and industry, and help in the development of proposals.
- Conduct public outreach, and liaise with state transit agencies to conduct demonstration programs with UD’s fuel cell buses.
- Participate in the organization of short courses, workshops, and conferences.
- Contribute to the writing of newsletters, articles, and reports.
- In partnership with the CFCR Director, coordinate and organize responses to news media requests for information.
- Represent the CFCR to various University divisions as well as externally to the media, governmental agencies, prospective funding agencies and individuals.
- Facilitate faculty and student involvement in CFCR activities.
- Perform other job-related duties as assigned.

QUALIFICATIONS:

- Master’s degree, Ph.D. preferred, in Mechanical, Chemical, or Electrical Engineering, or Materials Science, and four years of related experience.
- Extensive research, management, and industry-related experience in areas such as fuel cells, batteries, automotive technologies, electrochemistry, nanotechnology, etc.
- Experience in planning financial goals, developing proposals, and securing independent funding.
- Skills in oral and written communication.
- Ability to work collaboratively with university faculty, industrial researchers and governmental agencies.
- Knowledge of government contracting, University policies and procedures preferred.
- Ability to communicate and interact well with people of all ages and diverse backgrounds.