

Dr. Abdullah Alrashidi

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WORK

Northern Border University, Arar, Saudi Arabia

Spring 2021-

Assistant Professor, Mechanical Engineering

EDUCATION

University of Miami, Miami, Florida (3.66 GPA)

Ph.D., Mechanical Engineering

Spring 2021

Florida International University, Miami, Florida (3.72 GPA)

Master of Engineering, Mechanical Engineering

December 2014

Florida International University, Miami, Florida (3.52 GPA, Honors)

Bachelor of Engineering, Mechanical Engineering

December 2012

University of Liverpool, Liverpool, England (First Class GPA of 72%)

Transferable 60 credits in Mechanical Engineering

June 2010

CPC, College Preparatory Center, Saudi Aramco (GPA 3.03, Honor)

2007

EXPERIENCE:

- Multidisciplinary Research at *Clean Energy Research Institute (2015-2020), University of Miami*.
- *United States Department of Energy (DOE)* funded project during the course of PhD.
- Catalyst fabrication and creating novel materials.
- Fuel cells analysis and testing.

RESEARCH ACTIVITIES:

- ⌈ **"I01A-1385: Perforation Optimization of DMFC Anode Porous Medium"** 236th ECS meeting, October 2019, Atlanta, GA. A. Alrashidi (*Clean Energy Research Institute, University of Miami*), H. Liu (*University of Miami*), and X. Zhang (*Clean Energy Research Institute*)
- ⌈ **"Laser-Perforated Anode Gas Diffusion Layers for Direct Methanol Fuel Cells"**, published paper at Journal of Int'l hydrogen of energy.
- ⌈ **"Enhanced Oxygen and Water Transport by Laser-perforated Cathode Gas Diffusion Layers for Direct Methanol Fuel Cells"**, Conference paper published, and an updated manuscript was recommended by conference committees to be submitted as a journal paper.
- ⌈ **DOE Project: "Innovative gas diffusion layers for PEMFCs"**
Morgan, Jason; Taspinar, Reyhan; Zenyuk, Iryna; Liu, Hongtan; Colella, W.G, AvCarb Material Solutions Inc., U.S. DOE SC SBIR Phase I program, No. DE-SC0018497.
- ⌈ **University of Miami Project: "Non-PGM (platinum group metal) catalyst for PEMFC's"**