

**2020 - Advisory Board Meeting hosted by CREST Center for Bioenergy – N.C. A&T Campus, (Virtual) Greensboro, NC**

**PowerPoint Presentations**

**Khajeh, Afsaneh** – Nanoengineering (Ph.D.) Density functional calculations theory & experimental study of Ce/Fe<sub>2</sub>O<sub>3</sub> oxygen carrier for chemical looping gasification of biomass

**Jasper, Micah** – Energy and Environmental Systems (Ph.D.) Development and evaluation of an integrated chemical looping biomass gasification and FT synthesis model for economic production of biofuels

**Naeimi, Hessamedin** – Mechanical Engineering (Ph.D.) Numerical study of syngas production through chemical looping gasification of Biomass

**Arslan, Meric** -Energy and Environmental Systems (Ph.D.) Development of Core-Shell catalysts for F-T synthesis in 3-D printed SS microreactors

**Lamberth, Antonia** – Applied Science and Technology (Ph.D.) Methanol steam reforming using Cu based core-shell catalyst

**Khan, Mudasar** – Chemistry (M.S.) Methanol steam reforming using Cu based mesoporous carbon support

**Mohammad, Nafeezuddin** – Nanoengineering (Ph.D.) Microreactor and catalyst development for FT synthesis

**Chukwudoro, Chiemeka** – Chemical, Biological and Bioengineering (M.S.) CFD modeling for microreactor design and scale up

**Appah, Eric** –Energy and Environmental Science (Ph.D.) Performance of Pd and Pd-alloy membranes exposed to prolonged thermal cycling

**Rony, Farzana** -Applied Science and Technology (Ph.D.) Development of PBI nanocomposite membrane for fuel cells

**Bepari, Sujoy** – (Post doc) FT studies with Co-Ru based catalysts supported by mesoporous composite oxide support in a 3-D printed stainless steel microreactor; and methanol steam reforming on Cu-based mesoporous silica (COK-19) catalyst

**Li, Xin** – (Post-doc) Iron oxide supported on silicalite-1 as a multifunctional material for biomass chemical looping gasification and syngas upgrading