

**CARBON CAPTURE RESEARCH AND DEVELOPMENT**

**NETL Team Technical Coordinator:** David Luebke

Name	Project Role	Affiliation
Duan, Yuhua	Physical Scientist	NETL
Fauth, Daniel J	Research Chemist	NETL
Granite, Evan J	Chemical Engineer	NETL
Gray, McMahan L	Physical Scientist	NETL
Hoffman, James S	Mechanical Engineer	NETL
Hopkinson, David	Mechanical Engineer	NETL
Luebke, David R	General Engineer	NETL
Matranga, Christopher	Research Chemist	NETL
Matuszewski, Michael	General Engineer	NETL
Morreale, Bryan	General Engineer	NETL
Myers, Christina R	Chemical Engineer	NETL
Richards, George	Energy Sys Dynamics	NETL
Shadle, Lawrence J	Physical Scientist	NETL
Siefert, Nicholas	Mechanical Engineer	NETL
Siriwardane, Ranjani	Physical Scientist	NETL
Steckel, Janice A	Physical Scientist	NETL
Zandhuis, Paul	Project Lead	URS
Albenze, Erik	Research Engineer	URS
Culp, Jeffrey	Research Scientist	URS
Egbebi, Adefemi	Research Scientist	URS
Hammache, Sonia	Research Engineer	URS
Miller, Russell	Specialist	URS
O'Connor Jr, John	Engineer	URS
Resnik, Kevin	Research Engineer	URS
Shi, Fan	Research Scientist	URS
Thompson, Robert	Research Scientist	URS
Wickramanayake, Wasala	Research Engineer	URS
Shi, Wei	Research Scientist	URS
Lekse, Jonathan	Research Scientist	URS
Hong, Lei	Research Scientist	URS

Name	Project Role	Affiliation	University Project Title
Achary, Damodaran K	PI	Pitt	Advanced NMR Characterization of Ionic Liquids
Allen, Jesse James	Post Doc	Pitt	
Mao, Xiaojian	Post Doc	Pitt	
Kitchin, John	PI	CMU	Characterization of the High Pressure Absorption of CO2 into Ionic Liquids
Lee, Anita S	Grad Student	CMU	
Nulwala, Hunaid	PI	CMU	Chemical Informatics Collaboration
Achary, Damodaran K	PI	Pitt	CO2 Sorption Characterization NMR
Allen, Jesse James	CO-PI	Pitt	
Mao, James	CO-PI	Pitt	
Janik, Michael J	PI	PSU	Computational Modeling of Novel Materials for Pre-Combustion CO2 Removal
Gao, Hongwei	Researcher	PSU	
Brady, Brian	Under Grad	PSU	
Enick, Robert M	PI	Pitt	Development of High Molecular Weight PDMS
Koronaos, Peter	Post Doc	Pitt	
Jordan, Kenneth D	PI	Pitt	
Li, Tao	Grad Student	Pitt	Development of Polarizable Force Fields for Ionic Liquids
Jordan, Kenneth D	PI	Pitt	
Marjolin, Aude	Post Doc	Pitt	
Su, Xiaoge	Grad Student	Pitt	
Jordan, Kenneth D	PI	Pitt	High Temperature Supported Ionic Liquid Membrane Synthesis - (CMS (CRADA) Funded Carbon Capture Support)
Marjolin, Aude	Post Doc	Pitt	
Nulwala, Hunaid	PI	CMU	Hybrid Ionic Liquid Sorbents for Post-Combustion CO2 Capture
Li, Bingyun	PI	WVU	
Noore, Jabeen	Technician	WVU	Integrated Environmental Control Model (IECM)
Rubin, Edward S	PI	CMU	
Kitchin, John	PI	CMU	Investigation and Mechanistic Study of Amine-Enriched Sorbents
Kowalewski, Tomasz	CO-PI	CMU	Low-viscosity Eutectic Solvents
Nulwala, Hunaid	CO-PI	CMU	
Lamson, Melissa	Grad Student	CMU	
Rosi, Nathaniel L	PI	Pitt	Metal Organic Synthesis
Venna, Surendar Reddy	PI	WVU	Mixed Matrix Membrane Casting Technique Development
Johnson, J Karl	PI	Pitt	Molecular Modeling of Ionic Liquids for Post-Combustion CO2 Capture Solvents
Zhang, Bo	Grad Student	Pitt	
Rothrauff, Bartholomew	Under Grad	Pitt	
Natesakhawat, Sittichai	PI	Pitt	Nitrogen Rich Porous Nanocarbon Materials
Kowalewski, Tomasz	PI	CMU	Nitrogen Rich Porous Nanocarbon Materials
Mohin, Jake	Grad Student	CMU	
Lamson, Melissa	Grad Student	CMU	

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<b>Name</b>	<b>Project Role</b>	<b>Affiliation</b>	<b>University Project Title</b>
Enick, Robert M Koronaivos, Peter	PI Post Doc	Pitt Pitt	PDMS Characterization and Testing
Nulw ala, Hunaid	PI	CMU	PDMS Formulation
Li, Bingyun Wang, Xianfeng	PI Post Doc	WVU WVU	Phase Change Amino Acid Development
Kitchin, John Hallenbeck, Alex Lee, Anita S	PI Grad Student Grad Student	CMU CMU CMU	Raman Studies Examining Contamination Effects
Johnson, J Karl	PI	Pitt	Reactive Force Field Development
Bajura, Richard A Venna, Surendar Reddy	PI CO-PI	WVU WVU	Research Support for Pre- Combustion Membrane Ring-complexing Supported Ionic Liquid Membranes
Venna, Surendar Reddy	PI	WVU	Single Crystal Permeation Measurement Technique
Matyjaszew ski, Krzysztof He, Hongkun	PI Grad Student	CMU CMU	Structure Formation via Block Co-Polymerization
Rosi, Nathaniel L	PI	Pitt	Structure Formation via Nanopore Confinement
Matyjaszew ski, Krzysztof He, Hongkun	PI Grad Student	CMU CMU	Synthesis and Characterization of Di- Block Polymers w ith Nano- Scale Ordered Structures
Nulw ala, Hunaid	PI	CMU	Synthesis of Ring- Complexing Ionic Liquids