

**INNOVATIVE PROCESS TECHNOLOGIES (IPT)**
**NETL Team Technical Coordinator: David Alman**

Name	Title	Affiliation
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Huckaby, E David	Mechanical Engineer	NETL
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Strakey, Peter A	Physical Scientist	NETL
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Wen, Youhai	Materials Research Eng	NETL
Woodruff, Steven D	Research Chemist	NETL
Woodside, Charles	General Engineer	NETL
Zitney, Stephen	General Engineer	NETL
Gromicko, Fred	Project Lead	URS
Nelson, Janet	Project Lead	URS
Smith, Mark	Project Lead	URS

Name	Project Role	Affiliation	University Project Title
Gellman, Andrew J	PI	CMU	AlFeNi Oxidation Modeling
Payne, Matt	Grad Student	CMU	
Bajura, Richard A	PI	WVU	CFD support of high-temperature oxy-fuel systems for magnetohydrodynamics (MHD) applications
Jaramillo, Paulina	PI	CMU	Coal Power Plant Operations in a System with Increased Wind Power
Apt, Jerome	CO-PI	CMU	
Oates, David Luke	Researcher	CMU	
Blanco, Christian C	Grad Student	CMU	
Miller, James B	PI	CMU	Combinatorial Materials Evaluation
Apt, Jerome	PI	CMU	Fossil Plant Mothball and Reactivation decisions with Increase Wind Power
Jaramillo, Paulina	CO-PI	CMU	
Lueken, Roger A	Grad Student	CMU	
Weiland, Nathan T	PI	WVU	Fundamental Combustion Studies
Bedick, Clinton R	Researcher	WVU	
Givi, Peyman	PI	Pitt	LES of Sandia Half-Scaled Dump Combustor
Vandsburger, Uri	PI	VT	Methods of Pulse Smoothing of Pressure Gain Combustion Events towards Enhanced Turbine Efficiency and Reliability
Janka, Adam	Grad Student	VT	
Gleeson, Brian M	PI	Pitt	Oxidation Analyses and Structure-Function Predictions for AlxNiyFe1-x-y alloys
Wang, Guofeng	CO-PI	Pitt	
Haworth, Daniel C	PI	PSU	PDF-Based Models for Oxy-Coal Combustion
Celik, Ismail B	PI	WVU	Simulation and Validation for Innovative Energy Concepts (S&V-IEC): WVU Combustion Modeling
Bhattacharyya, Debangsu	PI	WVU	Techno-Economic Optimization of Process and Energy Plants with Integrated CO2 Capture and Utilization Processes
Turton, Richard	CO-PI	WVU	
Kasule, Job Samuel	Post Doc	WVU	
Santavicca, Domenic A	PI	PSU	The Effect of EGR on the Performance and Operability of Lean Premixed Combustors
Boroyevich, Dushan	PI	VT	The Next Generation Power Converter: Converter Topology
Reed, Gregory F	PI	Pitt	