

2016 Energy Research Collaboration Workshop – May 10 Gross Hall – Room 270 and Ahmadiieh Family Gallery (2 nd Floor)	
12:00 – 12:50	Lunch for workshop participants
12:50 – 1:00	Welcome and Energy Initiative Update: Brian Murray, Interim Director, Duke University Energy Initiative
Session 1: Energy Science and Technology	
1:00 – 1:20	Research sketches (5 min. each) <ul style="list-style-type: none"> • Jeff Glass, Professor, Department of Electrical and Computer Engineering: “Nanostructured Materials for Energy Conversion and Storage” • Nico Hotz, Assistant Professor, Department of Mechanical Engineering & Materials Science: “Plasmon-enabled photocatalysis for solar fuel generation” • Adrienne Stiff-Roberts, Associate Professor, Department of Electrical and Computer Engineering: “Tandem Solar Cells by RIR-Maple”
1:20 – 1:35	Discussion
1:35 – 1:45	Break
Session 1 continued: Energy Science and Technology	
1:45 – 2:05	Research sketches (5 min. each) <ul style="list-style-type: none"> • Jie Liu, Professor, Department of Chemistry: “Important Chemical Reactions Enabled by UV Plasmonic Photocatalysts” <i>[presentation not recorded at presenter’s request]</i> • Angel Peterchev, Associate Professor, Department of Psychiatry and Behavioral Sciences: “A modular approach to electrical storage and conversion” • William Huhn, Postdoctoral Associate, Department of Mechanical Engineering and Materials Science: “First Principles for Energy Materials”
2:05 – 2:20	Discussion
2:20 – 2:30	Coffee break
Session 2: Research Collaboration Opportunities – University of São Paulo	
2:30 – 2:45	<ul style="list-style-type: none"> • Ildo Sauer, Visiting Professor, Center for Latin American and Caribbean Studies: Research collaboration ideas and opportunities
2:45 – 3:00	Discussion
Session 3: Energy Policy, Markets, and Society	
3:00 – 3:25	Research sketches (5 min. each) <ul style="list-style-type: none"> • Billy Pizer, Professor, Sanford School of Public Policy: “Efficiency versus equity in energy policy” <i>[No slides]</i> • Dalia Patino-Echeverri, Assistant Professor, Nicholas School of the Environment: “Simulating Power System Operations with MOTESA models: Costs, reliability and CO2 emissions changes from increased energy storage and end-use energy efficiency.” • Bryan Bollinger, Assistant Professor, The Fuqua School of Business: “Welfare Effects of Home Automation Technology with Dynamic Pricing” • Martin Ross, Senior Research Economist, Nicholas Institute for Environmental Policy Solutions: “The Clean Power Plan and Electricity Markets of the Future”
3:25 – 3:40	Discussion
3:40 – 3:50	Break
Session 3 continued: Energy Policy, Markets, and Society	
3:50 – 4:10	Research sketches (5 min. each) <ul style="list-style-type: none"> • Marc Jeuland, Assistant Professor, Sanford School of Public Policy: “Health complementarities and demand for improved energy products” • Christine Folch, Assistant Professor, Department of Cultural Anthropology: “Sovereignty and Sustainability: Balancing Competing Values in Renewable Energy” <i>[No slides]</i> • Amy Pickle, Director of State Policy Programs, Nicholas Institute for Environmental Policy Solutions: “Unconventional Oil and Gas Governance: The Interplay Between State and Local Regulation in Texas” <i>[No slides]</i>
4:10 – 4:25	Discussion
4:25 – 4:45	Closing Remarks and Discussion: Brian Murray
4:45 – 7:00	Energy Mix and Poster Session – drinks and hors d’oeuvres reception