



Consortium for Electric Reliability Technology Solutions  
Berkeley 2005 Symposium on Microgrids  
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UC Berkeley Faculty Club, Berkeley CA



### Participant Contact Information and Research Activities

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<p>What is your working definition of a microgrid? How is it different from the following working definition?</p> <p>A microgrid is an integrated power delivery system consisting of interconnected loads and DER which, as an integrated system, can operate in parallel with the grid or in an intentional island mode. The integrated DER are capable of providing sufficient and continuous energy to a significant portion of the internal demand, and the microgrid possesses independent controls and can island and reconnect with minimal service disruption.</p> <p><i>I have the same definition</i></p>									
<p>Briefly describe your research activities on microgrids.</p> <p><i>I am a project manager for the Commission and as such manage two contract one with LBNL and one with NREL. Both of these contracts deal with Micro-grid</i></p>									
<p>Please note which of the following technical issues your research addresses (if any):</p> <table border="0"><tr><td>Intentional islanding and resynchronization</td><td><i>Yes</i></td></tr><tr><td>Protection within the microgrid</td><td><i>Yes</i></td></tr><tr><td>Voltage control within the microgrid</td><td><i>Yes</i></td></tr><tr><td>Frequency control within the microgrid during islanded operation</td><td><i>Yes</i></td></tr></table>		Intentional islanding and resynchronization	<i>Yes</i>	Protection within the microgrid	<i>Yes</i>	Voltage control within the microgrid	<i>Yes</i>	Frequency control within the microgrid during islanded operation	<i>Yes</i>
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Fast load sharing among micro-sources (for load changes faster than the ramping rates of the prime movers)	Yes
Heat load matching and load prioritization	Yes
Economic dispatch of assets	Yes
Meeting environmental constraints	Yes
Other	<i>Please be specific</i>