

WISE

WATERLOO INSTITUTE
FOR SUSTAINABLE ENERGY



LECTURE SERIES

FREE ADMISSION | OPEN TO THE PUBLIC

BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

PRESENTED BY THE WATERLOO INSTITUTE
FOR SUSTAINABLE ENERGY

Tuesday, February 19, 2013
1 - 2 pm
CPH 4333

BRAZIL'S ENERGY PLANS AND STRATEGIES: CHALLENGES RELATED TO CLIMATE CHANGE

Dr. André Lucena, Professor, Federal University of Rio de Janeiro (UFRJ)

Dr. Lucena's presentation will give a summary of the research that is being conducted at the Energy Planning Program of the Federal University of Rio de Janeiro, Brazil. The idea is to show the main research interests of the Energy Group and the modeling tools that are used by them. After a brief presentation of the country's energy system, two major concluded research projects will be presented: (1) a climate change impact assessment conducted for Brazil, in which the research team projected the impacts that changing climate would have on the Brazilian energy system. Modeling of least-cost adaptation alternatives will also be presented; (2) an estimate of the country's mitigation potential and the marginal abatement cost for the energy sector. Finally, Dr. Lucena will discuss his work at JGCRI and the perspectives for future research.

Biography



Dr. André Lucena is a Professor at the Energy Program of the Graduate School of Engineering in the Federal University of Rio de Janeiro (PPE/COPPE/UFRJ). He holds a Bachelor in Economics from the Pontifical Catholic University (PUC-Rio), as well as a Masters and PhD in Environmental and Energy Economics from PPE/COPPE/UFRJ. In 2008-2009 he worked as a visiting scholar at the International Energy Studies Department of the Lawrence Berkeley National Laboratory (LBNL). Dr. Lucena has worked with integrated energy modeling and energy scenario building, doing research for public and private institutions in many energy and climate related issues, including: integrated energy planning, energy modeling, renewable energy, greenhouse gases mitigation, climate change impact assessment and adaptation strategies for the energy sector.