



[www.iaia.org](http://www.iaia.org)

## The First International Conference on Advances in Renewable and Sustainable Energies

**BIOGREEN 2010**

**March 7-13, 2010 - Cancun, Mexico**

<http://www.iaia.org/conferences2010/BIOGREEN10.html>

### Important deadlines:

Submission (full paper)	October 17, 2009
Notification	November 20, 2009
Registration	December 5, 2009
Camera ready	December 10, 2009

### Tracks:

#### Energy sustainability

Big consumers; Small consumers; Active consumers; Passive consumers; Energy-intensive technologies; Energy-intensive devices; Energy-intensive services and applications; Energy-intensive mission-critical applications; Energy-intensive safety applications; Home appliance consumption; Smart grid solutions; Telecommunications energy efficient solutions; Energy control and optimization in data centers; Interfaces for energy interchange; Alternative energy sources

#### Energy bioscience

Bioenergy, biopower, biofuels; Bioprocessing solutions; Physical biosciences; Photosynthetic systems; Energy transduction systems; Ultrasonic technologies; Geothermal energy; Ocean thermal energy; Ocean waves energy; Ocean tides energy; Vibration based, piezoelectric, and nanogenerators; Body pulse; Hybrid energy

#### Eolian Energy

Wind energy turbines; Wind farms; Eolian production systems; Storage for eolian energy; Integration between eolian systems and classical energy systems; Independent and corporate producers; Feed-in tariffs

#### Photovoltaic solar energy

Solar energy; Solar collector; Collector systems; Solar energy utilization; Solar Photochemistry; Energetic potential; Storage for eolian energy

#### Biomass energy

Plant and non-medical microbial systems; Thermo-chemical conversion of biomass fuels; Feedstock development (switchgrass, miscanthus, etc.); Biomass depolymerization; Biofuels production; Fossil fuel bioprocessing; Cleaner energy from renewable plant materials; Ethanol plants and bio-refineries

#### Green energy technologies and economic models

Chemistry and nanotechnology to improve biodiesel production; Potential of mitigation of atmospheric change through the development of herbaceous energy crop; Development of accessible mechanistic mathematical models; Environmental effects on photosynthesis to plant productivity; Social acceptability of energy crops; Legislation and standards; Economic, environmental, and social challenges for renewable energy