

## Conference topics

Papers are invited reporting original research as well as papers focusing on the results that have been achieved in the areas of Renewable Energy Sources, Energy Efficiency and Policy, Education and Research in Energy and Environment, as well as Oil and Gas Technologies. Indicative themes of the Conference are listed below:

### Renewable Energy Sources

- Renewable energies
- Biomass, bioenergy & bio-economy
- Energy storage technologies
- Geothermal technologies
- Photovoltaics
- Power systems
- Concentrated solar power
- Smart networks
- Energy networks
- Wind energy technologies
- Hybrid energy systems
- Solar heating and cooling
- Solar desalination
- Grid Integration
- Demand Response,
- Demand Side Management

### Energy Efficiency and Policy

- Energy generation
- Energy recovery
- Energy management and economics
- Automization of energy systems
- Energy and the built environment
- Bioclimatic design of buildings and public spaces
- Smart cities
- Building management systems
- Heating, ventilating and air conditioning systems
- Sustainable transport
- Zero emission buildings
- Energy policy, economics and planning
- Energy and climate change
- Environmental impact
- Energy investment financing

### Education and Research in Energy and Environment

- Distance learning in Energy and Environmental topics
- Interdisciplinary educational programmes
- Large scale research facilities
- Pilot and demonstration projects
- Training and certification schemes

### New Challenges

- Security of energy supply
- Carbon capture and storage technologies
- Enhanced oil recovery for deep-water
- Hydrocarbons exploration strategies
- Natural gas liquefaction technologies
- Natural gas pipeline transportation technologies
- Natural gas policy issues
- Enhanced oil recovery for deep-water
- Oil and gas reserves and economics by region
- Shale gas technologies
- Energy-food-water nexus