

## Thermo-Chemical Conversion Process, papers on The World Conference on Carbon 2018

---

Francisco Carrasco. *Universidad de Granada*

The communications included in this topic dealt with all the thermo-chemical conversion processes (combustion, gasification, pyrolysis, torrefaction) for converting carbon-containing fuels into another more valuable products including carbon materials, fuel gas and chemicals. The topic covered different aspects going from the optimization of the conversion process itself, to the kinetic determination and process modelling, the characterization of the final products and the environmental aspects related with the processes.

The topic included 13 oral communications and 16 posters, and was divided in two sessions chaired by Prof. Diego Cazorla from the University of Alicante (Spain), Dr. Francisco García-Labiano from CSIC (Spain), and Dra. Carmen Clemente from the Technical University of Madrid (Spain). Scientists from 15 countries were represented in this topic.

Among the oral presentations, the following ones were selected as keynotes:

- “CO<sub>2</sub> capture by chemical looping processes using c-fuels” presented by Francisco García Labiano from the Consejo Superior de Investigaciones Científicas, CSIC (Spain).
- “Modelling cellulose conversion to kerogene: a pathway of reversible rare events” presented by

Pierre-Louis Valdenaire from the Massachusetts Institute of Technology, MIT (USA).

Although this topic represents a small niche within the usual CARBON conference researchers, the organizing committee wanted to include here the most relevant research related with the different thermo-chemical processes and the new tendencies in this area. Considering the interest awakened by the assistants and relevance of the works there presented, the result can be considered satisfactory.