

CHALLENGES ON COMBUSTION SCIENCE AND TECHNOLOGY IN A CARBON CONSTRAINED WORLD

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The seminar will consist first in the presentation of the research domains and facilities of ICARE-CNRS and of the Excellency Center CAPRYSSSES. In a second part results from some new combustion research axes will be highlighted: high pressure turbulent premixed gaseous flames, two-phase liquid combustion regimes, high ash coal gasification and combustion. The seminar will end by introducing several new chemical conversion topics to which the combustion community may contribute. Funds available from the Excellency Center CAPRYSSSES for international cooperation will also be discussed.