

HRVATSKA AKADEMIJA
ZNANOSTI I UMJETNOSTI



CROATIAN ACADEMY
OF SCIENCES AND ARTS

HRVATSKA AKADEMIJA ZNANOSTI I UMJETNOSTI
RAZRED ZA MATEMATIČKE, FIZIČKE I KEMIJSKE ZNANOSTI

i

INSTITUT FRANÇAIS ZAGREB

pozivaju Vas na

JAVNO PREDAVANJE

prof. dr. sc. Marc Fontecavea

Laboratoire de Chimie des processus Biologiques, Collège de France

u okviru održavanja manifestacije *Rendez-vous, festival Francuske u Hrvatskoj*



koje će se održati

u utorak 26. svibnja 2015. s početkom u 18 sati

u dvorani Knjižnice

Hrvatske akademije znanosti i umjetnosti

Strossmayerov trg 14

Chemistry and Energy Issues: Fuels from water, carbon dioxide and sun

The increase in energy consumption by humanity, the limitations in fossil fuels and the emission of large quantities of carbon dioxide on earth requests a technological revolution towards a new world based on renewable sources of energy, the main one being solar energy. This revolution will be possible only if equitable efforts are accepted by all the countries of the planet and if great investments are made to support scientific and technological research. In this seminar we will describe the current energetic situation, the potential of solar energy and the technologies to (i) convert it into electricity (photovoltaics); (ii) store it either through water splitting to produce hydrogen or via photosynthesis and biomass or via conversion of CO₂ into useful organic compounds. We will in particular emphasize the crucial role of basic and applied chemistry in these technological developments and in the practical achievement of that revolution.



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Događanje organizirano u okviru manifestacije *Rendez-vous, festival Francuske u Hrvatskoj* -

www.rendez-vous.hr

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