The DIFFER Solar Fuels research programme aims to contribute to the much needed acceleration in the development of enabling technologies for the transition towards a CO2-neutral energy society in 2050. Within the DIFFER Solar Fuels programme we focus on solutions which convert renewable energy in the form of electrons (electricity) or photons into chemicals and fuels. Thereto we integrate non-thermal (plasma-)chemical processes with nano- and micro-structured functional materials and interfaces in (photo-)electrochemical devices and reactors. In the e-Refinery Lunch Lecture Richard van de Sanden will present the DIFFER Solar Fuels programme and highlight some of its recent achievements.

The e-Refinery initiative is a partnership between four faculties: Applied Sciences, 3mE, EWI and TPM. Researchers in the e-Refinery initiative focus their research on the electrochemical conversion of sustainable electricity into fuels and chemical building blocks, from the molecular scale to large-scale system integration. E-Refinery hosts a lunch lecture every first Tuesday of the month.

Contact: www.tudelft.nl/e-refinery