

# **Rijnhuizen in 2020: Institute for Fundamental Energy Research**

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Both the strategic plan FOM/N 2010-2015 as well as the Strategy nota of NWO 2011-2014 puts Energy Research (especially sustainable energy) forward as an important research area for the coming years. One of the actions following from this strategy was the relocation of the FOM-institute for Plasma Physics Rijnhuizen to the TU/e campus. Apart from this FOM-focus groups will be established specifically aiming at fundamental energy research themes. The new energy institute, with the mission "Science for Energy", should also have a coordinating task of the rich and broad energy research landscape in the Netherlands. In addition collaboration with other disciplines (a.o. chemical sciences), essential within the multidisciplinary theme of energy research, must be initiated.

In this presentation I will shortly highlight the new mission and strategy. Beside the existing fundamental energy research within the institute (Fusion-research on "Burn control of fusion plasmas and Plasma-surface interaction research using the unique facility Magnum PSI), a new research program will be developed on "Solar Fuels", aimed at the storage of generated sustainable energy in (liquid) fuels.