## The 5th Plasma Materials Science Hall of Fame Prize

## was awarded to

## Prof. Richard van de Sanden, Eindhoven University of Technology,

for excellent research achievements in plasma materials science for alternative energy technologies required for a sustainable society, and the establishment of an international research institute to apply the academic achievements of plasma materials science to solve global energy issues.



Prof. Richard van de Sanden, Eindhoven University of Technology

## Plasma processing of thin functional films for renewable energy and other applications under high rate conditions





Ultra-sensitive optical techniques to study growth mechanism of relevant functional films





during thin film growth

Electrification of chemical conversion processes of difficult to activate molecules using high temperature plasmas



 $\rm CO_2$  forward vortex microwave plasma for energy efficient activation of CO\_2 into CO and  $\rm 1\!^{\prime}2~O_2$ 

