

# **ADVANCED NANO-ELECTROCHEMISTRY INSTITUTE OF THE NETHERLANDS**

*contact: Serge Lemay | [s.lemay@utwente.nl](mailto:s.lemay@utwente.nl)*

Main goal: A large-scale energy transition of society requires efficient electrochemical processes for generating, converting, and storing sustainable energy. Unfortunately, existing electrochemical processes have serious limitations and are inadequate to meet the grand challenges ahead. At present there is insufficient knowledge of the processes occurring in electrochemical systems at the smallest scale to fundamentally improve these processes. In this multidisciplinary fundamental research program, chemists and physicists lay the foundation for new efficient electrochemical technologies designed to dramatically reduce humanity's carbon footprint.

Collaborator(s): UL, AMOLF, UvA, RUG,UU