

PRESENTATION

Jaques Kools

Encapsulix | CEO

Jaque Kools has 35 years of experience in design, construction and use of vacuum thin film equipment. He has extensive experience in modeling and simulation tools for equipment design, for a number of techniques including ALD, PLD, PVD and IBD.



"Simulation for design of ALD equipment"

March 25, 2021 | 16:50 – 17:10

In this talk, we will review a number of simulation tools for equipment design:

- a) Structural, thermal and thermomechanical finite element analysis (FEA)
- b) Computational Fluid Dynamics (CFD) of the gas flow in the reactor
- c) Particle-In-Cell (PIC) plasma simulations

For each of these techniques, we will discuss features and limitations of the method and illustrate with real world examples.