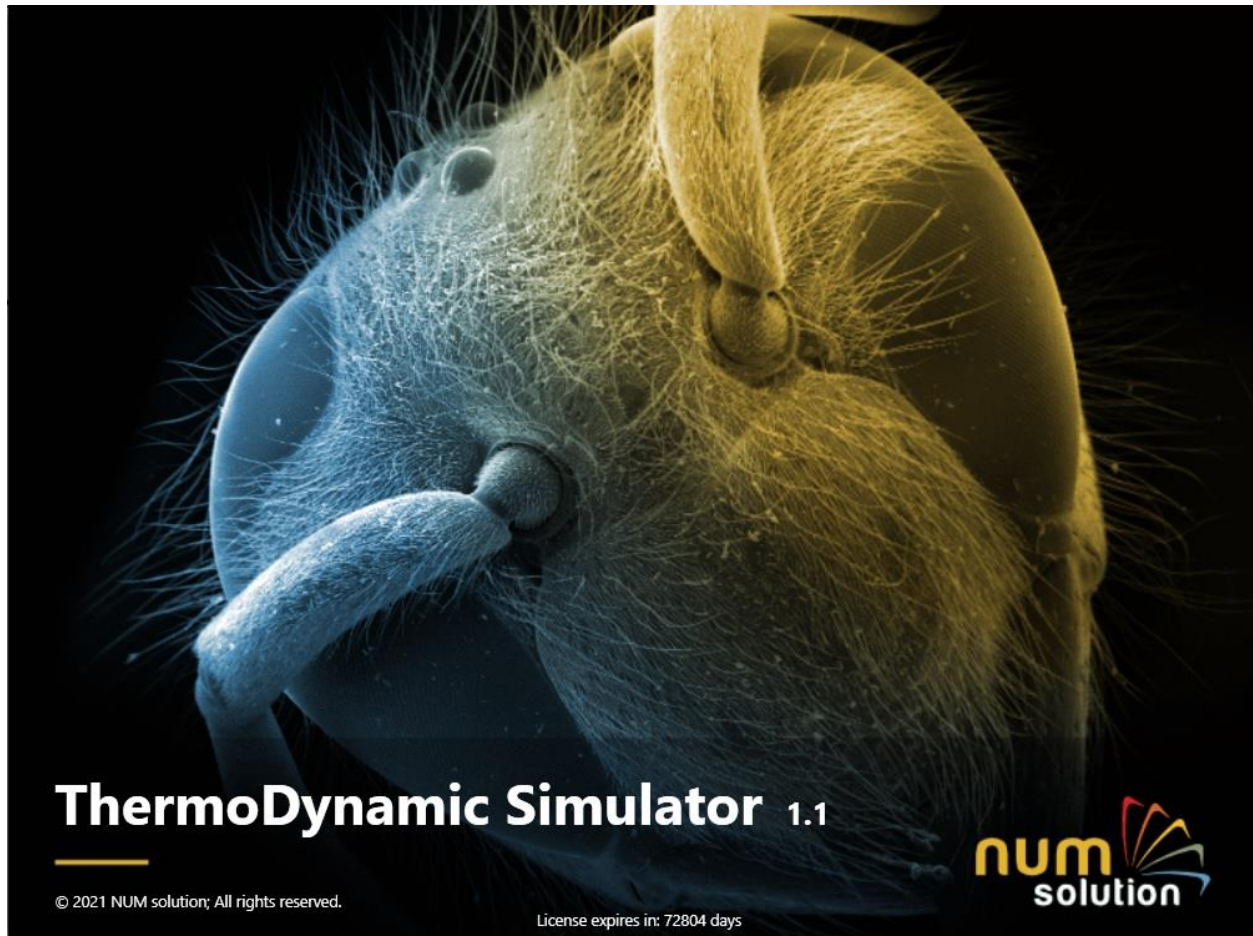# The "AI-CFD" ThermoDynamic Simulator for Electron Microscopy

TDS is specialized software for optimizing the thermodynamic conditions in the chamber of environmental scanning electron microscope during the sample observation process. This software was created on the basis of long-term cooperation between the NUM solution engineering company and Environmental electron microscopy research group at the ISI Academy of Sciences (http://www.aesemgroup.eu)

License expires in: 72804 days

ThermoDynamic Simulator 1.1

num solution

KEY PURPOSES:

- Optimization of thermodynamic conditions in the advanced environmental scanning electron microscope (A-ESEM) chamber for observation of biological samples like very thin water-containing living samples,
- allows the operator to set the exact water vapor pressure, real sample temperature or sample surrounding humidity in the advanced environmental scanning electron microscope (A-ESEM) mode to achieve required conditions,