

Kopernikus and Software Engineering

Reiner Hartenstein
<http://hartenstein.de>

Abstract: If current trends continue, traditional software engineering will lead to future unaffordability of the electricity consumption by our total computing ecosystem. The main problem of the software engineering scene is the CPU-centric Aristotelian flat world model of computing. The term „software“, coined as counterpart of mainframe „hardware“, indicates that software engineering is not about programming in general, but only on instruction streams. Are models from reconfigurable computing good candidates for a Kopernikan multi-paradigm world model of software engineering which supports saving energy?

For the paper see:

[Expensive von Neumann Paradigm: is its Predominance still Tolerable?*](#)