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Temat: Towards energy efficient computing via reversibility

Abstrakt:

There are good reasons why we should strive to improve energy efficiency in software industry. This can be done in many ways. We briefly introduce reversible computation and outline how its results and techniques could be used to improve efficiency of software. An idea for an MSCA Doctoral Network to achieve precisely this will be then introduced. Finally, we will appeal for collaboration to apply the network's theoretical outcomes to measure and improve energy efficiency of specific (components of) software.