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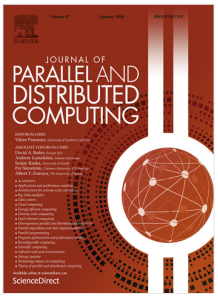

Opportunistic computing offloading in edge clouds

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*Highlights (for review)

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* Propose an opportunistic computation offloading to enable a more energy-efficient and intelligent strategy for computation offloading.

* Introduce an OPPOCO strategy with a mobility-aware energy consumption optimization to solve the problem of the file placements and the computational task assignments.

* Implement the proposed OPPOCO in OPNET 16.1 and evaluated over 12 real Internet service provider networks. the simulation by OPNET verifies our proposal is available and practical to improve mobile users' Quality of Service (QoS) and Quality of Experience (QoE)

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