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Design and performance evaluation of Mesh-of-Tree-based hierarchical wireless network-on-chip for multicore systems

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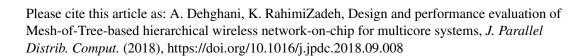
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*Highlights (for review)

- We propose a Mesh-of-Tree Wireless Netwok on Chip (MoT-WNoC) Actitecture as a novel communication backbone for multicore systems.
- We intoduce an effective wireless MAC mechanism and a commur cation routing scheme in order to apply the proposed MoT-WNoC architecture.
- We conduct a series of experiments to evaluate the MoT 'pology in communication infrastructure design of WNoC.
- Based on the quantitative and qualitative analyses, the proposed NOT-WNoC architecture is a very competitive architecture among the alternative WNoC architectures.

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