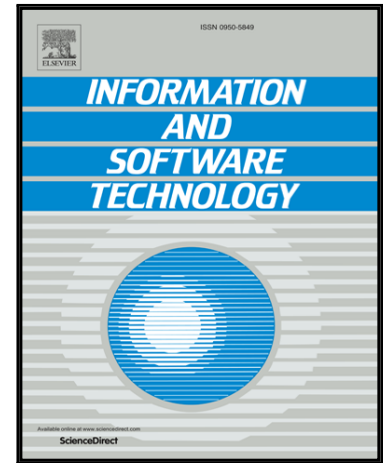


## Accepted Manuscript

Automated refactoring of super-class method invocations to the  
Template Method design pattern

Vassilis E. Zafeiris, Sotiris H. Poulias, N.A. Diamantidis,  
E.A. Giakoumakis

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**Highlights**

- We study the automated refactoring of the Call Super anti-pattern to Template Method.
- Our work replaces implementation inheritance with interface inheritance.
- We specify the refactoring identification algorithm and code transformation.
- We empirically validate the applicability and soundness of the transformation.
- Our method decreases the Specialization Index metric of refactored code.

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