Editorial

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In the spring 2009 we published a paper by Sami Mäkelä and Ville Leppänen titled “Client-Based Cohesion Metrics for Java Programs” [1]. One of our colleagues, Vojislav Mišić, brought to our attention that there exists prior work on client-based cohesion metrics by him that was not mentioned in this paper.

We have communicated the matter to Mäkelä and Leppänen as well as Mišić, the author of two of the papers mentioned below. The former then came-up with yet a third relevant reference.

We here quote Mäkelä and Leppänen’s comments on the new related work:

“Mišić argues that the client-based approach is superior to the traditional approach, and suggests that the cohesion of a component should be measured by using a formula based on the clients and features of the component as described in [2,3]. Mišić presents his metric in a general fashion and does not fix the definitions of components, clients or features.

The client-based approach for cohesion measurement is also used by Ponisio and Nierstrasz [4]. Unlike Mišić and us, they use the formula of TCC instead of LCOM*. Ponisio and Nierstrasz have implemented their metric for calculating the cohesion of packages”.

References


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