Pattern-Based Model Comparison

Joerg Becker  
ERCIS

Patrick Delfmann  
ERCIS

Sebastian Herwig  
ERCIS

Lukasz Lis  
ERCIS

Follow this and additional works at: http://aisel.aisnet.org/amcis2009

Recommended Citation
http://aisel.aisnet.org/amcis2009/210
Pattern-based Model Comparison
Jörg Becker, Patrick Delfmann, Sebastian Herwig, Lukasz Lis
European Research Center for Information Systems (ERCIS), University of Münster, Münster, Germany.

Abstract:
Distributed conceptual modeling may lead to a set of problems whenever these models shall be compared or integrated. E.g., the same issue is modeled in different ways or different issues are modeled in the same way concerning naming and structure. The resolution and avoidance of different naming is subject of diverse approaches. However, managing differing structures is still an unsolved problem. Therefore, we propose an approach that makes use of structural model pattern matching in order to reveal structurally equivalent sections in conceptual models. Thus, professionals that have to compare models in order to decide on how to integrate them are provided with an enhanced decision support. The approach is generic in order to make it applicable for any conceptual modeling language.