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Transformations -- From Sequence Diagrams to State Machines by
Graph Transformation -- Safe Composition of Transformations --
Towards Incremental Execution of ATL Transformations --
Constructing and Navigating Non-invasive Model Decorations --
Model-to-Model Transformations By Demonstration -- Implementing
Business Process Recovery Patterns through QVT Transformations --
Model Migration with Epsilon Flock -- Exceptional Transformations --
Improving Higher-Order Transformations Support in ATL -- Towards a
Rewriting Logic Semantics for ATL -- Metamodel Matching Based on
Planar Graph Edit Distance -- Surviving the Heterogeneity Jungle with
Composite Mapping Operators.

Sommario/riassunto

Model transformations are the glue that tie modelling activities together. If you've used modelling in anger then, whether you know it or not, you've used model transformations. They come in all shapes and sizes from moving models between different tools to generating implementations. Model transformations have humble beginnings—at one point, not long ago, it was said by many 'in the know' that the way forward in model transformations was to use XSLT. That this idea now raises a wry smile shows how far the model transformation community has come in a short time. Where once model transformations were hacked together in a variety of unsuitable languages, we now have a number of powerful, dedicated languages and theories at our disposal. Since 2008, the ICMT conference series has played a huge part in advancing the subject, and this third edition was no different. The theories and languages presented at ICMT have allowed principled model transformations to play an ever greater part in real systems. Of course there is still much more to do: we need our model transformations, languages, and theories to scale further, allow greater expressivity, be more flexible, and aid reusability; and we lack empirically backed studies of model transformations in use. Doubtless you can think of other gaps. Yet, though some real-world challenges lie just beyond our reach, each year sees once-daunting problems conquered. Much of that progress is now driven by ICMT, and this year's edition showed how model transformations are increasingly being used in previously unfamiliar areas.
