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Inis book constitutes the refereed proceedings of the 10th International Conference on Graph Transformation, ICGT 2017, held as part of STAF 2017, in Marburg, Germany, in July 2017. The 14 papers presented were carefully reviewed and selected from 23 submissions. The papers cover a wide range of topics including theoretical approaches to graph transformation and their verification, model-driven engineering, chemical reactions as well as various applications.

They are organized in the following topical sections: foundations; graph language and parsing; analysis and verification; and model transformation and tools.