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2 Preface

Dear reader!

The recovery of untreated and inadequately utilized secondary resources from anthropogenic sources is the central task of the Department of Processing and Recycling (I.A.R.). Most importantly, the description of material systems, process chains and their modelling and assessment are emphasized in research and teaching with regards to technical, economic and environmental feasibility.

This research report comprises a collection of contributions with excerpts of recent research findings from various projects as well as student work to convey to the reader a deeper insight into our activities.

It is important to acknowledge that many of these works would not have been possible without external support. We would like to particularly express our gratitude for grants from national and EU funding programs as well as funds that were provided directly through cooperation with industrial partners.

To continuously improve the quality of research and teaching we will foster interdisciplinary collaboration with partners from industry and research domestically and internationally in the future. Through simultaneous project experience, our graduates are prepared to a high degree for the requirements of their professional career.

Aachen, December 2014

Head of Department