

Preface

The International Workshop E-Mobility & Circular Economy, which has been jointly organized by TU Bergakademie Freiberg, Helmholtz Institute Freiberg for Resource Technology and TU Clausthal, was held for the first time in 2018. It respects the fact that e-mobility will be a game changer for the circular economy, since several classes of new materials are entering into the materials circle. On the other side, the importance and market share of traditional construction materials, e.g. casting aluminum will decrease in the future.

The conference contributions highlight key technological and economical questions arising from the processing of materials characteristic for e-mobility. It aims at showing new solutions for mechanical and metallurgical recycling as well as the substitution of conventional construction materials. Because more and more elements are needed and used to generate the electronic, electrical and mechanical properties in e-mobility, trace and critical elements are also in the focus.



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