



materials



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Half-Heusler, Silicide and Zintl-type Thermoelectric Materials

Guest Editor:

Prof. Dr. Jan-Willem Bos

EaStCHEM School of Chemistry,
University of St Andrews, St
Andrews KY169ST, UK

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Message from the Guest Editor

Dear Colleagues,

Thermoelectric generators are widely considered to become an important component of a sustainable energy future with many opportunities to harvest waste heat. These include stationary sources, such as in power plants and cement works, but also mobile applications including waste heat recovery from exhaust gasses in transportation. There has been an enormous improvement in thermoelectric materials performance over the past two to three decades and peak $ZT > 1$ is now routinely possible.

The aim of this Special Issue is to bring together the latest trends in research on half-Heuslers, silicides and Zintl phases. This covers materials synthesis and characterization but also includes work on important materials issues, such as high-temperature stability, electrical and thermal contacting and the fabrication of modules exploiting these materials.

Dr. Jan-Willem Bos

Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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