



High Speed Air Compressor for a Fuel Cell System for Use in a Vehicle

Guest Editors:

Dr. Naser Natsheh Al

Institute of Adaptronics and
Function Integration, Technische
Universität Braunschweig, Langer
Kamp 6, 38106 Braunschweig,
Germany

Prof. Dr. Michael Sinapius

Technische Universität
Braunschweig, Institut für
Adaptronik und
Funktionsintegration (IAF),
Langer Kamp 6, 38106
Braunschweig, Germany

Prof. Dr. Christian Hühne

Technische Universität
Braunschweig, Institute of
Adaptronics and Function
Integration, Langer Kamp 6,
38106 Braunschweig, Germany

Message from the Guest Editors

This special issue is concerned with the design and further development of an electrically driven air compressor. In addition to increasing the efficiency by optimizing spiral groove bearings, air flow and temperature management, the goal is also to reduce costs. Therefore, material selection and simplification of production and assembly are of particular concern.

This Special Issue covers the following main topics in particular:

- Shaft bearing and materials;
- Aerodynamics and map extending and stabilizing measures;
- Power electronics for controlling the air compressor control;
- Overall engine design and construction of test vehicles;
- Component testing;
- Manufacturing concept.

Deadline for manuscript
submissions:

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Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE - Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P-
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

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Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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Machines Editorial Office
MDPI, Grosspeteranlage 5
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