



## Ferrofluids applied in Tribosystems

Guest Editors:

**Dr. Ir. Ron A.J. Van Ostayen**

Department of Precision and  
Microsystems Engineering,  
Faculty of Mechanical, Maritime  
and Materials Engineering, Delft  
University of Technology, 2628CD  
Delft, The Netherlands

**Ir. Jo W. Spronck**

Department of Precision and  
Microsystems Engineering,  
Faculty of Mechanical, Maritime  
and Materials Engineering, Delft  
University of Technology, Delft,  
2628CD, the Netherlands

**Ir. Stefan G.E. Lampaert**

Department of Precision and  
Microsystems Engineering,  
Faculty of Mechanical, Maritime  
and Materials Engineering, Delft  
University of Technology, 2628CD  
Delft, The Netherlands

Deadline for manuscript  
submissions:

**closed (30 November 2017)**

### Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we would like to gather contributions that deal with all aspects of the use of ferrofluids and MR fluids in tribo-systems and -applications:

- Mathematical modeling and design of magnetic fluid applications in mechanical engineering;
- Examples and applications of the use of magnetic fluids in bearings, seals and other machine components in mechanical design, mechatronics systems and high precision systems;
- Practical formulation, and characterization of magnetic fluids.

Both review papers and in-depth research papers on new developments in this field will be collected in this Special Issue. We are looking forward to your valued contributions.

Dr. Ir. Ron A.J. van Ostayen

Prof. Ir. Jo W. Spronck

Ir. Stefan G.E. Lampaert

*Guest Editors*

