OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG

Institut of Process Engineering
Chair of Mechanical Process Engineering

Wiss. Mitarbeiter/-in

M.Sc. Hani Elmestikawy

Fakultät für Verfahrens- und Systemtechnik
Institut für Verfahrenstechnik
Lehrstuhl Mechanische Verfahrenstechnik

Universitätsplatz 2, 39106 Magdeburg, G10-224

Tel.: 0391/6757287 Fax: 0391/6742762

hani.elmestikawy@ovgu.de

Vita

Research topic: "Improving simulations of large-scale dense particle-laden flows with machine learning: a genetic programming approach."
Main research focuses on the development of deterministic reduced models for the meso-scale simulations of particle-laden flow through micro-scale numerical studies.

Vita:

- 2014: B.Sc. Aerospace engineering at Faculty of Engineering, Cairo University.
- 2015-2018: CFD Technical Analyst at Optumatics with focus on the development of Gasoline Direct Injection (GDI) combusti engines.
- 2019-2022: M.Sc. Simulation Sciences at the RWTH Aachen University.

Thesis topic: Large-Eddy-Simulation (LES) of an optical engine.
Student research assistant at the Institute of technical combustion (ITV) RWTH Aachen.

- Since 06.2022: Research assistant/PhD candidate at the Chair of Mechanical Process Engineering.