
Session Title [OC2] Optimisation and Design 2
Date and Time June 21 (Wednesday) / 16:20-18:00
Place Grand Ballroom (2F, 201)
Session Chair To be Announced

OC2-1 **16:20-16:40**

A benchmark TEAM problem for multiobjective Pareto optimization of electromagnetic devices

Di Barba, Paolo (1); Mognaschi, Maria Evelina (1); Xiao, Song (2); Lowther, David Alister (3); Sykulski, Jan K. (4)

1: University of Pavia, Pavia, Italy; 2: Southwest Jiaotong University, Chengdu, China; 3: McGill University, Montreal, Québec, Canada; 4: University of Southampton, Southampton, UK

OC2-2 **16:40-17:00**

A SIMP based Methodology for Topology Optimization and its Application to Piezoelectric Energy Harvester Designs

Li, Yilun (1); Yang, Shiyu (1); Ren, Zhuoxiang (2)

1: Zhejiang University, China, People's Republic of; 2: Pierre and Marie Curie University, France

OC2-3 **17:00-17:20**

Variance-based Robust Optimization of Permanent Magnet Synchronous Machine

Putek, Piotr (1); ter Maten, E. Jan W. (1); Günther, Michael (1); Sykulski, Jan K. (2)

1: University of Wuppertal; 2: University of Southampton

OC2-4 **17:20-17:40**

Shape Optimization Procedure of Interior Permanent Magnet Motors Considering Carrier Harmonic Losses Caused by Inverters

Yamazaki, Katsumi; Togashi, Yusuke

Chiba Institute of Technology

OC2-5 **17:40-18:00**

Design and analysis of an IE4 Class Line-Start Synchronous Reluctance Motor Considering Total Loss and Starting Performance

Liu, Huai cong; Lee, ju

Hanyang UNIV., Korea, Republic of (South Korea)