Publications:

Resonant power converter with dead-time control of synchronous rectification circuit.
Ekhtiari, M., Zsurzsan, T-G. & Andersen, M. A. E. 20 Jul 2017
Publication: Research › Patent – Annual report year: 2017

Resonant power converter comprising adaptive dead-time control.
Andersen, T., Zsurzsan, T-G. & Ekhtiari, M. 5 Jan 2017
Publication: Research › Patent – Annual report year: 2017

Advances in Piezoelectric Systems: An Application-Based Approach.
Publication: Research › Ph.D. thesis – Annual report year: 2016

Class-D amplifier design and performance for driving a Piezo Actuator Drive servomotor.
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Improved Kayaking Ergometer Using a Switch-mode Converter Driven Alternator
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Temperature dependency of the hysteresis behaviour of PZT actuators using Preisach model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Ultrasonic lubrication: concept and application
Publication: Research - peer-review › Sound/Visual production (digital) – Annual report year: 2016

Control and sensor techniques for PAD servo motor drive
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Evaluation of Breaking Performance In Vibration-Assisted Electrostatic Surface Induction Actuator
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Preisach model of hysteresis for the Piezoelectric Actuator Drive
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015
Using squeeze-film effect to reduce surface friction in electrostatic actuators
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Investigating the Electromechanical Coupling in Piezoelectric Actuator Drive Motor Under Heavy Load
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Piezoelectric stack actuator parameter extraction with hysteresis compensation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Projects:

Control and sensor techniques for PAD servo motor drives
15/02/2013 → 04/05/2016
Project: PhD

Activities:

Ultrasonic lubrication: concept and application
Zsurzsan, T. (Invited speaker)
4 Oct 2016
Activity: Talks and presentations › Conference presentations

2016 IEEE International Conference on Industrial Technology
Zsurzsan, T. (Participant)
14 Mar 2016 → 17 Mar 2016
Activity: Attending an event › Participating in or organising a conference

6th International Conference on Advanced Mechatronics 2015
Zsurzsan, T. (Participant)
5 Dec 2015 → 8 Dec 2015
Activity: Attending an event › Participating in or organising a conference

2015 41th IEEE Industrial Electronics Society Annual Conference
Zsurzsan, T. (Participant)
9 Nov 2015 → 12 Nov 2015
Activity: Attending an event › Participating in or organising a conference

The 50th International Universities Power Engineering Conference
Zsurzsan, T. (Participant)
1 Sep 2015 → 4 Sep 2015
Activity: Attending an event › Participating in or organising a conference

IEEE International Power Electronics and Application Conference and Exposition
Zsurzsan, T. (Participant)
5 Nov 2014 → 8 Nov 2014
Activity: Attending an event › Participating in or organising a conference
16th Conference on Power Electronics and Applications
Zsurzsan, T. (Participant)
Activity: Attending an event › Participating in or organising a conference