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## Publications

### **Hybrid magnetic EMI filter design for Low Voltage DC distribution (LVDC) network**

Mo, W. K., Paasch, K. & Ebel, T., 2019, *The 3rd IEEE ICDCM International Conference on DC Microgrids*. IEEE

### **Parasitic couplings of 3-phase EMI filter design for 1KW 3-phase boost converter**

Mo, W. K., Paasch, K. & Ebel, T., 2019, *IEEE European Power Electronics Conference: EPE2019*. IEEE, (Proceedings of the 21st European Conference on Power Electronics and Applications, EPE 2019 ECCE Europe).

### **PV-grid performance under dynamic weather conditions**

Paasch, K., Cornaro, C. & Pierro, M., 2019, *The 3rd IEEE ICDCM International Conference on DC Microgrids*. IEEE

### **Winding loss optimization for boost inductor design**

Mo, W. K., Paasch, K., Ebel, T. & Andersen, H., 2019, *Proceedings - 2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2019*. IEEE

### **Hybrid magnetic 3-phase Integrated EMI filter**

Mo, W. K. & Paasch, K., 20. Sep 2018, *Proceedings of the 20th European Conference on Power Electronics and Applications*. IEEE, 6 p.

### **Modeling, Simulation and Electromagnetic Conducted Emission Reduction Techniques by Finite Element Method**

Mo, W. K. & Paasch, K., 11. Apr 2018, *Proceedings of the 12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering: CPE-POWERENG 2018*. IEEE, p. 1-6

### **Hybrid Magnetics and Power Converter Applications**

Mo, W. K., Paasch, K. & Krenz, E-G., 12. Sep 2017, *Proceedings of the 19th European Conference on Power Electronics and Applications*. IEEE, 6 p.

### **Hybrid Magnetic Design**

Mo, W. K. & Paasch, K., 2017, *Proceedings of the 26th IEEE International Symposium on Industrial Electronics*. IEEE, p. 739-744

### **Hybrid Magnetics and Power Applications**

Mo, W. K. & Paasch, K., 2017, *Proceedings of the 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering*. IEEE, p. 235-240

### **Optimal inductor winding geometries for minimizing winding loss in gapped inductor designs**

Mo, W. K., Paasch, K. & Sachmann, M., 2017, *Proceedings of the 19th European Conference on Power Electronics and Applications*. IEEE, 6 p.

### **The use of Wikis in project work: "To Wiki or not to Wiki"**

Paasch, K., 2017, *Teaching for Active Learning : TAL 2017*. Kjær, C., F. Christensen, I-M. & Hansen, P. S. (eds.). SDU, p. 36-43

**Assessment and monitoring of grid-tied PV inverter performance using a "golden inverter" model**

Paasch, K., Nymand, M., Stöckl, J. & Revesz, M., 8. Sep 2016, *Proceeding of the 18th European Conference on power Electronics and Applications*. IEEE Press, 10 p.

**Evaluation of a Detailed Electro-Thermal PV Model on a 62.5 kWp Installation**

Anagnostos, D., Paasch, K., Goverde, H., Catthoor, F. & Soudris, D., 21. Jun 2016, *Proceedings of the EU PVSEC 2016 (Munich)*. p. 1936-1938 5BV.2.16

**Evaluation of a PV-Panel via Long Term High Speed Recording of IV-Curves**

Paasch, K., Nymand, M., Cornaro, C., Pierro, M. & Bucci, F., 21. Jun 2016, *Proceedings of the EU PVSEC 2016 (Munich)*. p. 2105-2109 5BV.2.85

**Technical aspects regarding energy storage in ancient Greek and Roman catapults**

Paasch, K., 10. Jun 2016, In : *Journal of Roman Military Equipment Studies*. 17, p. 287-290

**Power Electronic System for Multi-MW PV sites.**

Paasch, K., 2016, Syddansk Universitet. Mærsk Mc-Kinney Møller Institutet. 166 p.

**Comparative analysis of the performance of string and central inverter topology at a large PV utility plant with varying topography**

Paasch, K., Nymand, M. & Kjær, S. B., Sep 2015, *Proceeding of the 31st European Photovoltaic Solar Energy Conference and Exhibition*. p. 2280-2283

**Long term energy yield measurements of a string- vs. central inverter concept tested on a large scale PV-plant**

Paasch, K., Nymand, M. & Kjær, S. B., Sep 2015, *Proceeding of the 17th European Conference on Power Electronics and Applications*. IEEE, p. 1-9

**A new principle for underground pumped hydroelectric storage**

Olsen, J., Paasch, K., Lassen, B. & Veje, C., 1. Aug 2015, In : *Journal of Energy Storage*. 2, p. 54-63

**Internally actuated autonomous sailing buoy**

Jouffroy, J., Paasch, K. & Xiao, L., 25. Sep 2014, Patent No. PCT/DK2012/050402, 31. Oct 2012, Priority date 22. Sep 2015, Priority No. US9139272B2

**Simulation of the impact of moving clouds on large scale PV-plants**

Paasch, K., Nymand, M. & Kjær, S. B., Jun 2014. 6 p.

**Simulation of the impact of moving clouds on large scale PV-plants**

Paasch, K. M., Nymand, M. & Kjær, S. B., 2014, *Proceedings of the IEEE 40th Photovoltaic Specialist Conference, PVSC 2014*. IEEE Press, p. 791-796 (IEEE Photovoltaic Specialists Conference. Conference Record).

**Optimization of PV-based energy production by dynamic PV-panel/inverter configuration**

Paasch, K., Nymand, M. & Haase, F., 10. Apr 2013. 4 p.

**Sensor System for Long-term Recording of Photovoltaic (PV) IV-curves**

Paasch, K., Nymand, M. & Haase, F., 10. Apr 2013. 4 p.

**Distributed measurement system for long term monitoring of clouding effects on large PV plants: 2013 15th European Conference on Power Electronics and Applications, EPE 2013**

Paasch, K. M., Nymand, M. & Haase, F., 2013, *15th European Conference on Power Electronics and Applications, EPE 2013*. IEEE Press, p. 1-10

### **Human Work Interaction Design. Work Analysis and HCI.**

Paasch, K., 2013, *IFIP Advances in Information and Communication Technology: Third IFIP 13.6 Working Conference, HWID 2012, Copenhagen, Denmark, December*. Campos, P., Clemmensen, T., Nocera, J. A., Katre, D., Lopes, A. & Ørngreen, R. (eds.). Springer, p. 65-72

### **A game-like interactive questionnaire for PV application research by participatory design**

Dai, Z. & Paasch, K., 6. Dec 2012. 4 p.

### **A portable device for testing solar panels: US provisional application no 61/436,615 (SDU ref: 647-154)**

Paasch, K. & Top, S., 2012

### **Analysis of the Design Criteria for Ancient Greek and Roman Catapults**

Paasch, K., 17. Nov 2011, *COMSOL Multiphysics Conference 2010 Paris: Proceedings of the COMSOL Conference 2010 Paris*. p. 1-6 6 p.

### **Den antikke katapults udvikling**

Paasch, K., 2011, In : 1066 Tidsskrift for Historie. 2011, 1, p. 27-38

### **Drift in LED based Photometer**

Paasch, K., Tittelbach, G. & Peschel, T., 1999, *Optomechanical Engineering and Vibration Control*. Derby, E. A., Gordon, C. G., Vukobratovich, D., Yoder, P. R. & Zweben, C. H. (eds.). SPIE - International Society for Optical Engineering, p. 534-544 (Progress in Biomedical Optics and Imaging, Vol. 3786).

## **Activities**

### **Dansk Optisk Selskab (DOPS) (External organisation)**

Kasper Paasch (Member)

1996 → ...

### **EC Expert panel (FP7) (External organisation)**

Kasper Paasch (Member)

2002 → ...

### **Energi skal produceres hos os alle. Bliver solceller hver mands eje?**

Kasper Paasch (Lecturer)

2. Nov 2010

### **Energi skal produceres hos os alle. Bliver solceller hver mands eje?**

Kasper Paasch (Lecturer)

8. Mar 2011

### **Energi skal produceres hos os alle. Bliver solceller hver mands eje?**

Kasper Paasch (Lecturer)

17. Mar 2011

### **Energi skal produceres hos os alle. Bliver solceller hver mands eje?**

Kasper Paasch (Lecturer)

22. Mar 2011

### **Energi skal produceres hos os alle. Bliver solceller hver mands eje?**

Kasper Paasch (Lecturer)

17. May 2011

**Green Tech Center Vejle Åbningsevent.**

Kasper Paasch (Speaker)  
24. Jun 2014

**Green Tech Center Vejle Åbningsevent.**

Kasper Paasch (Speaker)  
24. Jun 2014

**IDA Maskiningeniør Fond (M-fond) (External organisation)**

Kasper Paasch (Member)  
2006 → ...

**Solceller - fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?**

Kasper Paasch (Lecturer)  
23. Sep 2011

**Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?**

Kasper Paasch (Lecturer)  
26. Sep 2011

**Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?**

Kasper Paasch (Lecturer)  
28. Sep 2011

**Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?**

Kasper Paasch (Lecturer)  
29. Sep 2011

**Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?**

Kasper Paasch (Lecturer)  
29. Sep 2011

**University of Southern Denmark (Organisational unit)**

Kasper Paasch (Chairman)  
2016 → ...