Weiqiang Kong - DTU Orbit (06/10/2018)
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Department of Civil Engineering - Researcher
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Publications:

Thermal performance assessment and improvement of a solar domestic hot water tank with PCM in the mantle
Publication: Research - peer-review › Journal article – Annual report year: 2018

Performance Evaluation of a Demonstration System with PCM for Seasonal Heat Storage: Charge with Evacuated Tubular Collectors
Englmair, G., Furbo, S., Kong, W., Dannemand, M., Fan, J. & Wang, Z. 2017
Publication: Research - peer-review › Paper – Annual report year: 2018

Experimental investigations on cylindrical latent heat storage units with sodium acetate trihydrate composites utilizing supercooling
Publication: Research - peer-review › Journal article – Annual report year: 2016

Experimental investigations on heat content of supercooled sodium acetate trihydrate by a simple heat loss method
Publication: Research - peer-review › Journal article – Annual report year: 2016

Experimental investigations on prototype heat storage units utilizing stable supercooling of sodium acetate trihydrate mixtures
Publication: Research - peer-review › Journal article – Annual report year: 2016

Laboratory Testing of Solar Combi System with Compact Long Term PCM Heat Storage
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Laboratory Test of a Cylindrical Heat Storage Module with Water and Sodium Acetate Trihydrate
Publication: Research - peer-review › Conference article – Annual report year: 2016

Testing of PCM Heat Storage Modules with Solar Collectors as Heat Source
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

A new Laplace transformation method for dynamic testing of solar collectors
Publication: Research - peer-review › Journal article – Annual report year: 2015

Drain Back Systems in Laboratory and In Practice
Publication: Research - peer-review › Conference article – Annual report year: 2015
Laboratory test of a prototype heat storage module based on stable supercooling of sodium acetate trihydrate
Publication: Research - peer-review › Conference article – Annual report year: 2015

Long term testing and evaluation of PV modules with and without Sunarc antireflective coating of the cover glass
Publication: Research - peer-review › Conference article – Annual report year: 2015

Side by side tests of two SDHW systems with solar collectors with and without antireflection treatment
Publication: Research - peer-review › Conference article – Annual report year: 2015

Testing, development and demonstration of large scale solar district heating systems
Publication: Research - peer-review › Journal article – Annual report year: 2015

Thermal conductivity enhancement of sodium acetate trihydrate by adding graphite powder and the effect on stability of supercooling
Publication: Research - peer-review › Conference article – Annual report year: 2015

Drain Back, Low Flow Solar Combi Systems: Design, Monitoring and Simulation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

An improved dynamic test method for solar collectors
Publication: Research - peer-review › Journal article – Annual report year: 2012

Investigation of Thermal Performance of Flat Plate and Evacuated Tubular Solar Collectors According to a New Dynamic Test Method
Publication: Research - peer-review › Conference article – Annual report year: 2012

Theoretical analysis and experimental verification of a new dynamic test method for solar collectors
Publication: Research - peer-review › Journal article – Annual report year: 2012

Thermal model and thermodynamic performance of molten salt cavity receiver
Publication: Research - peer-review › Journal article – Annual report year: 2010

Projects:

IEA SHC Task 55 - Integration of Large SHC Systems Into District Heating and Cooling (DHC) Networks (II)
Fan, J., Furbo, S., Perers, B., Kong, W., Dragsted, J., Nielsen, E. N. N. & Jensen, A. R. 01/01/2019 → 31/12/2020
Project

IEA PVPS Task 16 Solar ressource for high penetration
Fan, J., Furbo, S., Dragsted, J., Nielsen, E. N. N., Perers, B. & Kong, W.
Highly Efficient and Simplified Thermodynamic Cycle with Isolated Heating and Cooling – Cost Optimized
Fan, J., Furbo, S., Nielsen, E. N. N. & Kong, W.
01/01/2018 → 31/12/2020
Project

European Committee for Standardization (CEN) Project ECOTEST
Fan, J., Furbo, S., Nielsen, E. N. N., Dragsted, J. & Kong, W.
02/10/2017 → 31/12/2018
Project

Development and validation of an in situ solar collector field test method
Kong, W. & Perers, B.
01/04/2017 → 31/03/2019
Project

IEA Task Material and component development for thermal storage systems
Furbo, S., Englmair, G., Dannemand, M. & Kong, W.
01/01/2017 → 31/12/2019
Project

Pilot installation of hybrid solar collectors in district heating plants
Furbo, S., Perers, B. & Kong, W.
01/01/2016 → 31/12/2017
Project

Follow up on large scale storage in Denmark, Gram
Fan, J., Furbo, S., Perers, B., Kong, W. & Nielsen, E. N. N.
01/01/2016 → 31/12/2018
Project

Follow up on large scale heat storages in Denmark
Fan, J., Furbo, S., Kong, W. & Perers, B.
01/01/2016 → 31/12/2018
Project

Development of seasonal compact heat storage
Furbo, S., Dannemand, M., Kong, W., Fan, J. & Berg, J. B.
03/07/2014 → 30/09/2015
Project

VELUX visiting professor on solar heating
Furbo, S., Fan, J., Kong, W., Perers, B., Han, J., Dandanell, J. M. & Aagaard, C.
01/05/2013 → 12/12/2014
Project

Testing, development and demonstration of large scale solar district heating system
Fan, J., Furbo, S., Kong, W., Perers, B., He, T., Wang, Z., Zhu, D. & Liu, J.
01/03/2013 → 30/09/2014
Project