Energy demand flexibility in buildings and district heating systems – a literature review
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Clustering-based analysis for residential district heating data
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Estimation of temperature setpoints and heat transfer coefficients among residential buildings in Denmark based on smart meter data
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Heating system energy flexibility of low-energy residential buildings
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Implementation of Energy Strategies in Communities (Annex 63) Volume 3: Application of Strategic Measures
Research output: Book/Report › Report – Annual report year: 1800 › Research

Initiatives for the energy renovation of single-family houses in Denmark evaluated on the basis of barriers and motivators
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Utilizing thermal building mass for storage in district heating systems: Combined building level simulations and system level optimization
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

A Science Cloud for Smart Cities Research
Research output: Contribution to journal › Conference article – Annual report year: 2017 › Research › peer-review

CITIESData: a smart city data management framework
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Evaluation of the renovation of a Danish single-family house based on measurements
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Flexibility of Large-Scale Solar Heating Plant with Heat Pump and Thermal Energy Storage
Heating of indoor swimming pools by solar thermal collectors in summerhouses in Denmark
Research output: Book/Report » Report – Annual report year: 2017 » Research

Impact of Prosumers and their Clusters on the Energy System
Research output: Contribution to conference » Poster – Annual report year: 2017 » Research » peer-review

Implementation of Energy Strategies in Communities (Annex 63) Volume 1: Inventory of measures
Research output: Book/Report » Report – Annual report year: 2017 » Research

Implementation of Energy Strategies in Communities (Annex 63) Volume 2: Development of strategic measures
Research output: Book/Report » Report – Annual report year: 2017 » Research

Intelligent Scheduling of a Grid-Connected Heat Pump in a Danish Detached House
Research output: Contribution to conference » Paper – Annual report year: 2017 » Research » peer-review

SciCloud: A Scientific Cloud and Management Platform for Smart City Data
Research output: Chapter in Book/Report/Conference proceeding » Article in proceedings – Annual report year: 2017 » Research » peer-review

Using a One-Stop-Shop Concept to Guide Decisions when Single-Family Houses are renovated
Research output: Contribution to journal » Journal article – Annual report year: 2017 » Research » peer-review

CITIESData: Towards Cloud Based Big Data Management for Smart Cities
Research output: Contribution to conference » Poster – Annual report year: 2016 » Research

Identification of parameters affecting the variability of energy use in residential buildings
Research output: Contribution to conference » Conference abstract for conference – Annual report year: 2016 » Research » peer-review

Identification of Parameters Affecting the Variability of Energy Use in Residential Buildings
Research output: Chapter in Book/Report/Conference proceeding » Article in proceedings – Annual report year: 2016 » Research » peer-review
Building for the future smart energy cities

Central Solar (District) Heating Plants
Research output: Contribution to conference – Poster – Annual report year: 2015 – Research – peer-review

Change in design targets for building energy towards smart cities

CITIES: Centre for IT-Intelligent Energy Systems in Cities

Creating an information quantum leap in early design phases

Idea Catalogue by Vidensby Lyngby to Workshop Water DTU
Heller, A., 2014

Introduction of flexible monitoring equipment into the Greenlandic building sector

Introduction of flexible monitoring equipment into the Greenlandic building sector
Research output: Non-textual form – Sound/Visual production (digital) – Annual report year: 2015 – Research

Wireless technologies for the Construction Sector: Requirements, Energy and Cost Efficiencies

Center for Bygningssimulering: Idegrundlag for etablering af center

Business Models within DataCite
Heller, A., 2011

Forskningsdata Down Under - og måske right here?
Research output: Contribution to journal – Journal article – Annual report year: 2011 – Communication
Experimental investigation on heat transport in gravel-sand materials.

First Experience from the World Largest fully commercial Solar Heating Plant
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – annual report year: 1997 › Research › peer-review

Floating Lid Constructions for Large Pit Water Heat Storage
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – annual report year: 1997 › Research › peer-review

Floating Lid Constructions for Pit Water Storage. A Survey.

Investigation on Floating Lid Construction, pit Water Storage, Ottrupgaard, Denmark.
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

Megastock'97 Kongres, Juni, 1997, Sapporo, Japan
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

Investigation on Kombiterm GE Domestic Hot Water Tank. Performance Measurements and Calculations.
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Papers presented at EuroSun'96 Congress 1996 in Freiburg, Germany.
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Projects:

SCA: Smart Cities Accelerator
Heller, A., Madsen, H. & Nielsen, P. S.
20/04/2018 → 20/07/2018
Project: Research

Building clusters and their impact on flexibility when including the prosumer aspect
Larma, M. & Heller, A.
Forskningsrådsfinansiering
**Metode til planlægning af vidtgående energirenoerung af enfamiliehuse**
Grøn Bjørneboe, M., Svendsen, S., Heller, A., Nielsen, T. R., Varming, N. & Gustavsson, L.
Institut, samfinansiering
01/10/2011 → 07/09/2017
Project: PhD

**Science Cloud for Cities**
Heller, A., Nielsen, P. S. & Madsen, H.
01/09/2016 → 16/12/2017
Project: Research

**IEA EBC Annex 63 - Implementation of Energy Strategies in Communities**
Heller, A., Petersen, J. & Rode, C.
01/06/2013 → 01/06/2018
Project: Research

**IEA EBC Annex 67 - Energy Flexible Buildings**
Heller, A., Madsen, H., Gianniou, P. & Foteinaki, K.
01/06/2014 → 01/06/2019
Project: Research

**Thermal Smart Grid - Innovationproject under INNO-SE**
Heller, A.
01/05/2016 → 31/12/2016
Project: Research

**Implementation of flexible operational schemes for buildings in a district with smart energy systems**
Luc, K. M., Nielsen, T. R., Heller, A. & Li, R.
Samfinansieret - Andet
01/11/2015 → 21/04/2019
Project: PhD

**Models for flexible operation of buildings in district energy system Nordhavn**
Foteinaki, K., Rode, C., Heller, A., Li, R., Nielsen, P. S., Marszal-Pomianowska, A. & Hensen, J. L. M.
Samfinansieret - Andet
15/09/2015 → 14/02/2019
Project: PhD

**Assessment and Optimization Methods for Implementation of Energy Strategies in Communities**
Samfinansieret - Andet
15/02/2015 → 06/09/2018
Project: PhD

**Buildings for Smart Energy Cities**
Samfinansieret - Andet
15/09/2014 → 07/05/2018
Project: PhD

**Optimal Building Integration of district Heating Units**
Brand, M., Svendsen, S., Olesen, B. W., Thorsen, J. E., Heller, A., Schmidt, D. & Vestergaard, J. B.
Institut, samfinansiering
01/10/2009 → 28/04/2014
low energy buildings and heat supply systems based on renewable energy
Dalla Rosa, A., Svendsen, S., Christensen, J. E., Li, H., Heller, A., Wiltshire, R. & Wollerstrand, J.
Institut, samfinansiering
01/03/2009 → 24/08/2012
Project: PhD

Climate Change and its Impact on Lifetime and Maintenance of Buildings
1/3 FUU, 1/3 inst 1/3 Andet
15/08/2011 → 09/12/2015
Project: PhD

Large-Scale Solar Heating
Heller, A., Furbo, S., Svendsen, S., Bøhm, B. & Lawaetz, H.
DTU stipendium
01/02/1997 → 09/04/2001
Project: PhD

Models for flexible operation of buildings in district energy system Nordhavn
Foteinaki, K., Rode, C. & Heller, A.
15/09/2015 → …
Project: Research

Buildings for Smart Energy Cities
Gianniou, P., Rode, C., Nielsen, P. S. & Heller, A.
15/09/2014 → 15/09/2017
Project: Research

Inno-SE: Innovationsnetwork Smart Energy (CLEAN)
Heller, A. & Madsen, H.
15/08/2014 → 31/12/2017
Project: Research

Wireless sensor networks applied in the building sector
Heller, A., Kotol, M. & Torbensen, R.
Bjarne Saxhofs Fond
01/10/2013 → 31/12/2014
Project: Research

CITIES: Center for IT-Intelligent Energy Systems for Cities
Energy Programme
01/01/2014 → 31/12/2019
Project: Research

Heller, A. & Jensen, F. F.
Ukendt
01/06/1995 → 31/12/1996
Project: Research

Solvarmeanlæg ved biomassefyrede fjernvarmecentraler
Heller, A.
Forskningsprojekter - Miljø- og Energiministeriet
21/12/1999 → 31/10/2001
Monitoring for Project - Solar Heating in Ottrupgaard, Denmark.
Heller, A. & Maureschat, G.
01/07/1995 → 30/05/1997

Floating Lid Construction for Pit Water Storage - Phase I.
Heller, A. & Jensen, F. F.
01/06/1995 → 30/03/1997

Solar heating plants and bio-mass supplied district heating.
Duer, K., Heller, A. & Furbo, S.
01/12/1999 → 01/06/2000

Integration of solar heat storage in the ground floor.
Svendsen, S., Holck, O., Heller, A. & Duer, K.
15/12/1999 → 01/01/2001

Supplementary monitoring of Central Solar Heating Plant in Marstal, Denmark.
Heller, A.
01/05/1999 → 30/10/1999

Experimental model for heat transfer between heat pipe and gravel storage.
Heller, A. & Maureschat, G.
30/05/1997 → 24/07/1997

Activities on solar heating systems
01/01/1996 → 31/12/1996

DRIVER-II : Networking European Scientific Repositories
Forsk. EU - Rammeprogram
01/12/2007 → 01/12/2009

Undersegelse af masseovnes termiske egenskaber
Heller, A.
29/05/2000 → 31/12/2001
Marstal følgeprojekt til EU-projekt om udvidelse af solvarmecentralen i Marstal
Heller, A.
Forskningsprojekter - Miljø- og Energiministeriet
21/10/2001 → 31/12/2002
Project: Research

START-program: EU's 5. rammeprogram, ansøgning, Thematic Network
Heller, A.
Forskningsrådene - STVF
28/06/2001 → 31/12/2001
Project: Research

Lågkonstruktioner for damvarmelagre - Fase IV
Heller, A.
Forskningsprojekter - Miljø- og Energiministeriet
01/01/2000 → 31/12/2002
Project: Research

Måleprogram, jordslangelager i Marstal
Heller, A.
Forskningsprojekter - Miljø- og Energiministeriet
21/06/1999 → 31/10/2001
Project: Research

Videnshjemtagning og prøvning af højtemperatursofvangere
Heller, A.
Forskningsprojekter - Miljø- og Energiministeriet
19/10/2000 → 31/01/2002
Project: Research

Activities:

Presentation - Energy and Building Technology - A look into the future
Alfred Heller (Guest lecturer)
30 Sep 2019
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

High Tech Summit
Alfred Heller (Organizer)
20 Sep 2017 → 21 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Smart Cities Day Vienna
Alfred Heller (Speaker)
2 May 2017 → 3 May 2017
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Trends i byggeriet – IoT, Big data - Inspiration fra DTU, CITIES og Vidensbyen
Alfred Heller (Speaker)
23 Mar 2017
Activity: Talks and presentations › Conference presentations

Cities research for District Heating Innovation
Alfred Heller (Speaker), Henrik Madsen (Speaker)
6 Mar 2017
Activity: Talks and presentations › Conference presentations
Smart City workshop between TU Berlin, NTNU and DTU
Alfred Heller (Speaker)
7 Feb 2017
Activity: Talks and presentations › Conference presentations

Steering Committee meeting Water DTU
Alfred Heller (Participant)
17 Jan 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

CITIES Workshop 2017
Alfred Heller (Participant)
12 Jan 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Vidensby Netværk for Klima og grøn teknologi
Alfred Heller (Participant)
7 Jan 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Sustain-ATV Conference 2016
Alfred Heller (Participant)
30 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EERA Conference 2016
Alfred Heller (Speaker)
24 Nov 2016 → 25 Nov 2016
Activity: Talks and presentations › Conference presentations

ATV årsmøde
Alfred Heller (Invited speaker)
14 Nov 2016
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

EERA JP Energy Integration
Alfred Heller (Participant)
2 Nov 2016 → 4 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Carbon Track and Trace workshop
Alfred Heller (Participant)
1 Nov 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

DTU visit at NTNU
Alfred Heller (Participant)
31 Oct 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The City of Knowledge - A triple-helix organization
Alfred Heller (Speaker)
Activity: Talks and presentations › Conference presentations
CITIES - Research Centre for Cities
Alfred Heller (Lecturer)
25 Sep 2016
Activity: Talks and presentations › Conference presentations

Executive Development Programme with Technical University of Denmark
Alfred Heller (Organizer)
25 Sep 2016 → 1 Oct 2016
Activity: Attending an event › Participating in or organising a conference

Top meeting CITIES - DiCyPS
Alfred Heller (Participant)
3 Mar 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Urban Living Labs
Alfred Heller (Participant)
25 Feb 2016 → 26 Feb 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Inno-SE Integrated Energy Systems (External organisation)
Alfred Heller (Chairman)
2016 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Smart Buildings: Combining energy efficiency, flexibility and comfort
Alfred Heller (Invited speaker)
26 Nov 2015
Activity: Talks and presentations › Conference presentations

Triple Helix Cooperation for Scalability - Presentation
Alfred Heller (Invited speaker)
9 Nov 2015
Activity: Talks and presentations › Conference presentations

Forskningsbibliotekernes Lederkollegiets Seminar
Alfred Heller (Participant)
28 Oct 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EnergyLab Nordhavn: Sustainability through Certification
Alfred Heller (Invited speaker)
20 Oct 2015
Activity: Talks and presentations › Conference presentations

Smart Cities Live
Alfred Heller (Speaker)
Activity: Talks and presentations › Conference presentations

"Sustainability by certification" - Experiences on the DGNB certification of the Nordhavn district in Copenhagen
Alfred Heller (Invited speaker)
20 Oct 2015
Activity: Talks and presentations › Conference presentations
Den digitale by
Alfred Heller (Lecturer)
6 Oct 2015
Activity: Talks and presentations › Conference presentations

EU-Israel Innovation (External organisation)
Alfred Heller (Participant)
10 Sep 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

EU-Israel Innovation Seminar
Alfred Heller (Invited speaker)
10 Sep 2015
Activity: Talks and presentations › Conference presentations

Nordic Climate KIC - CITIES workshop
Alfred Heller (Organizer)
1 Sep 2015
Activity: Attending an event › Participating in or organising a conference

Department of Civil Engineering (Organisational unit)
Alfred Heller (Chairman)
Sep 2015 → Nov 2015
Activity: Membership › Membership in review committee

How does the research centre CITIES contribute to Innovation
Alfred Heller (Invited speaker)
22 May 2015
Activity: Talks and presentations › Conference presentations

Det intelligente energisystem
Alfred Heller (Participant)
26 Mar 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

From Grid to Society: Some thoughts about Smart Cities
Alfred Heller (Lecturer)
10 Mar 2015
Activity: Talks and presentations › Conference presentations

Energyforum Denmark
Alfred Heller (Invited speaker)
4 Mar 2015
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Smart City Think Tank (External organisation)
Alfred Heller (Participant)
1 Mar 2015 → 31 Dec 2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

EuroTech Winter School
Alfred Heller (Participant)
5 Feb 2015 → 9 Feb 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
Future Digital Cities - for and with citizens (External organisation)
Alfred Heller (Participant)
1 Feb 2015 → 31 Dec 2031
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Inno-SE Integrated Energy Systems (External organisation)
Alfred Heller (Chairman)
2015 → 2016
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Nordic Research Council (External organisation)
Alfred Heller (Participant)
2015 → …
Activity: Membership › Membership in review committee

Big Data as a tool for controlling the cities energy: Data aspects and data management
Alfred Heller (Invited speaker)
27 Nov 2014
Activity: Talks and presentations › Conference presentations

Big Data som værktøj til at styre byens energi
Alfred Heller (Invited speaker)
27 Nov 2014
Activity: Talks and presentations › Conference presentations

Idea catalogue by Vidensby Lyngby to Workshop Water DTU
Alfred Heller (Invited speaker)
29 Oct 2014
Activity: Talks and presentations › Conference presentations

3rd International Workshop on Design in Civil and Environmental Engineering
Alfred Heller (Participant)
22 Aug 2014 → 23 Aug 2014
Activity: Attending an event › Participating in or organising a conference

Smart City Network Denmark (External organisation)
Alfred Heller (Participant)
1 Aug 2014 → …
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

CITIES Annual Conference
Alfred Heller (Organizer)
26 May 2014 → 28 May 2014
Activity: Attending an event › Participating in or organising a conference

Urbanisation and infrastructure in the Arctic – Challenges to sustainability
Alfred Heller (Participant)
7 May 2014 → 9 May 2014
Activity: Attending an event › Participating in or organising a conference

Introduction of flexible monitoring equipment into the Greeniandic building sector
Alfred Heller (Lecturer)
8 Apr 2014
Activity: Talks and presentations › Conference presentations
European Workshop 2014 International Institute for Energy System Integration
Alfred Heller (Participant)
27 Mar 2014 → 28 Mar 2014
Activity: Attending an event › Participating in or organising a conference

Inno-SE Innovationsnevnærk - Evaluator af Innovationsprojekter (External organisation)
Alfred Heller (Participant)
2014 → …
Activity: Membership › Membership in review committee

Structural Frameworks for Open, Digital Research
Alfred Heller (Organizer)
11 Jun 2012 → 13 Jun 2012
Activity: Attending an event › Participating in or organising a conference

Workshop on Sustainable Energies
Alfred Heller (Speaker)
14 Jan 2009 → 15 Jan 2009
Activity: Talks and presentations › Conference presentations

DataCite (External organisation)
Alfred Heller (Member)
2009 → 2011
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Workshop on Open Access (Nordbib)
Alfred Heller (Participant)
23 Apr 2007 → 24 Apr 2007
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Press clippings:

Hvad sker der når køleskabet går online?
Alfred Heller
04/04/2017
1 media contribution
Press/Media: Press / Media

Fælles platform for smart city-løsninger lanceret på DTU: Smart City Hub
Alfred Heller
22/02/2017
1 media contribution
Press/Media: Press / Media

Platform giver forskere datamanagement for projekter
Alfred Heller
12/01/2017
1 media contribution
Press/Media: Press / Media

Fremtiden byder på flere digitale services i byggebranchen
Alfred Heller
01/01/2017
1 media contribution
Press/Media: Press / Media