

# Forskarskolan Program Energisystem

Kunskapsutveckling genom samverkan  
mellan teknik- och samhällsvetenskap



Slutrapport





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Slutrapport 2016

**Publikationer från Program Energisystem**



Arbetsnotat nr 56  
ISSN 1403-8307

# Sammanfattning

Det finns en omfattande publicering från Program Energisystem. Förutom 78 doktorsavhandlingar och 16 licentiatavhandlingar så har forskarstuderande och seniorer publicerat ytterligare minst 500 publikationer inom ramen för Program Energisystem.

I denna rapport förtecknas dessa publikationer.



# Förord

Det tar tid att utveckla och skapa effektiva former för tvärvetenskaplig forskning. Det krävs många möten, diskussioner, konflikter och misslyckanden för att lyckas utveckla förståelse för varandras metoder och perspektiv. Inom Program Energisystem har vi antagit den utmaningen och ser att detta är en mognadsprocess som främjar tvärvetenskaplig kunskapsbildning och leder till många nya frågeställningar och lösningar som är hållbara ur både tekniskt och samhälleligt perspektiv.

Detta är huvudrapporten i slutrapporteringen från Program Energisystem som består av fem delar:

- Huvudrapport
- Forskningssynes för konsortiet Byggnader i energisystem
- Forskningssynes för konsortiet Industriella energisystem
- Forskningssynes för konsortiet Lokala och regionala energisystem
- Publikationer från Program Energisystem

Till slutrapporteringen ska också läggas alla avhandlingar och artiklar, konferensbidrag, arbetsnotat mm som producerats under Program Energisystems 20-åriga liv.

I rapporterna beskriver vi det tvärvetenskapliga samarbetet i forskning och forskarutbildning, både om metoder och resultat. Det främsta resultatet av Program Energisystem är 81 examinerade doktorer och licentiater med unika energisystemkompetenser, men också den goda publiceringen och de nätverk som byggts.

Program Energisystem finansierades vid starten 1997 av Stiftelsen för Strategisk Forskning. Energimyndigheten har varit vår huvudfinansör från antagningen 2001 till och med den sista antagningen 2010, där doktorandantagningar genomförts i princip vartannat år. Linköpings universitet har bidragit ekonomiskt till programledningsfunktionen. Andra forskningsfinansörer, näringsliv, kommuner och organisationer har lämnat viktiga bidrag. Tack!

Vi hoppas att rapporterna ger dig som läsare en god bild av Program Energisystem och av vad vi åstadkommit – trevlig läsning!

Göteborg, Linköping, Stockholm och Uppsala i oktober 2016, då merparten av texten sammanställdes, med uppdateringar i april 2019.

<i>Per Alvfors</i>	Kungliga Tekniska Högskolan
<i>Kajsa Ellegård</i>	Linköpings universitet
<i>Simon Harvey</i>	Chalmers
<i>Magnus Karlsson</i>	Linköpings universitet
<i>Bahram Moshfegh</i>	Linköpings universitet
<i>Jenny Palm</i>	Linköpings universitet
<i>Mats Söderström</i>	Linköpings universitet
<i>Joakim Widén</i>	Uppsala universitet



# Förord till Publikationer från Program Energisystem

Syftet med denna rapport är att vara en sammanställning av publikationer från Program Energisystem. Rapporten är indelad i Doktorsavhandlingar, Licentiatavhandlingar, Arbetsnotat, Vetenskapliga tidskrifter, Konferenspublikationer, Böcker och bokkapitel, Rapporter och Populärvetenskapliga publikationer.

Linköping i oktober 2016, då merparten av texten sammanställdes, med uppdateringar i april 2019

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