



# Susanne Pettersson

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## EMPLOYMENT

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2016 -            PhD student in complex systems  
                  Department of energy and environment,  
                  Chalmers University of Technology,  
                  Sweden

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## EDUCATION

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2013 - 2015        MASTER OF SCIENCE (Physics, Minor: Complex Adaptive Systems),  
                  University of Gothenburg, Sweden.  
                  2015 Master thesis, *Inference of Gene Regulatory Networks and Master  
                  Regulators of Disease*, University of Gothenburg.

2010 - 2013        BACHELOR OF SCIENCE (Physics),  
                  University of Gothenburg, Sweden.  
                  2013 Research project, Tokyo Metropolitan University  
                  2013 Bachelor thesis, *Supersymmetric Quantum Mechanics with  
                  Applications in Mathematics*, University of Gothenburg.

2007 - 2009        Architecture,  
                  Chalmers University of Technology, Sweden.

2005 - 2006        French studies,  
                  Université Paris-Sorbonne, France.

2005                Writing,  
                  University of Gothenburg, Sweden.

2004                STUDENTEXAMEN (Swedish high school degree),  
                  Frölundagymnasiet, Sweden.

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## SUMMER SCHOOLS

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2015                *Complex Systems Summer School*, Santa Fe Institute,  
                  Santa Fe, New Mexico, USA.

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## FELLOWSHIPS

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- 2015 TRAVEL STIPEND, Wilhelm & Martina Lundgrens Vetenskapsfond (*Wilhelm & Martina Lundgren's Science Fund*), for travel expenses and fee Complex Systems Summer School, Santa Fe Institute.
- 2014 SCHOLARSHIP, Adlerbertska stiftelsen, on the ground of excellent grades.
- 2014 SCHOLARSHIP, Stiftelsen Kjellberg's Flickskolans Donationer, funding for completion of masterprogram.
- 2014 SCHOLARSHIP, Kungliga Hvidtfeldtska Stiftelsen (*The Royal Hvidtfeldt Foundation*), funding for completion of masterprogram.
- 2014 SCHOLARSHIP, Herbert och Karin Jakobssons stiftelse (*Herbert and Karin Jakobsson's Foundation*), funding for completion of masterprogram.
- 2013 SCHOLARSHIP, Adlerbertska Stiftelsen (*The Adlerbert Foundation*), on the ground of excellent grades.
- 2013 SCHOLARSHIP, Stiftelsen Kjellberg's Flickskolans Donationer (*Foundation Kjellberg's School for Girls Donations*), funding for completion of masterprogram.

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## PUBLICATIONS

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- 2015 N.Kono, T.Furukawa, H.Tanuma, J.Matsumoto, H.Shiromaru, T.Azuma, K.Najafian, **S.Pettersson**, B.Dynefors, K.Hansen. Inverse internal conversion in  $C_4^-$  below the electron detachment threshold. *Physical Chemistry Chemical Physics*, **17**, 24732-24737, (2015). <http://pubs.rsc.org/en/content/articlelanding/2015/cp/c5cp02549d#divAbstract>
- 2014 K. Najafian, **S. Pettersson**, B. Dynefors, H. Shiromaru, J. Matsumoto, H. Tanuma, T. Furukawa, T. Azuma, K. Hansen. Radiative cooling of  $C_7^-$ . *The Journal of Chemical Physics*. **140**, 104311 (2014). <http://dx.doi.org/10.1063/1.4867499>

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## LANGUAGES

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*Swedish*, native speaker  
*English*, fluent  
some *French* and *German*

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## COMPUTER SKILLS

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MATLAB, R, Mathematica, LaTeX

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## REFERENCES

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**Dr. Daniel Persson**

Department of Fundamental Physics  
Chalmers University of Technology  
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**Dr. Rebecka Jörnsten**

Mathematical Sciences  
University of Gothenburg  
Chalmers tvärgata 3  
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**Docent Klavs Hansen**

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