

Kersti Hermansson - CV

Address etc.	<p>Kersti Gunnela Hermansson</p> <p> Dept. of Chemistry The Ångström Laboratory Uppsala University Box 538, 75121 Uppsala, Sweden</p>	
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Professional career

- 1984 *Ph.D. degree. Thesis: "The Electron Distribution in the Bound Water Molecule"*
- 1984-86 *Post-doctoral fellowship* (from the Sw. Research Council) with Dr. E. Clementi, IBM-Kingston, USA.
- 1986- *Högskolelektor* in Inorganic Chemistry Uppsala University, UU).
- 1988 *Docent* of Inorganic Chemistry (UU).
- 1996 *Biträdande professor* (UU).
- 2000- *Professor of Inorganic Chemistry* (UU).
(During 2008-2013 also I also held a part-time *guest professorship* at KTH in Stockholm).

Awards and distinctions

Awards (prizes)

- The "Letterstedtska priset" from the Swedish Royal Academy of Sciences (KVA) (1987).
- The "Oskarspriset" from Uppsala University (1988).
- The "Norblad-Ekstrand" medal in gold from the Swedish Chemical Society (2003).

Elected member in learned societies etc.

- Member of Kungl. Vetenskapssamhället (*Academia regia scientiarum Upsaliensis*, KVSU), Uppsala (1988-).
- Member of Kungl. Vetenskaps societeten (*The Royal Society of Science*) i Uppsala (2002-).
- Member of Kungl. Vetenskapsakademien (*The Royal Swedish Academy of Sciences*, KVA) (2007-).
- The Nobel Foundation (elected deputy trustee, 2010-)
- Adjunct professor at the Kasetsart University, Bangkok, Thailand (2005).
- Honorary Professor of the University of Innsbruck (June 2009-)
- Elected member of the Macedonian Academy of Sciences and Arts (2015).

Some invited lectures

Invited lecture at the FUNCOS research unit "Functional Molecular Structures on Complex Oxide Surfaces" at the University of Erlangen, May 2015;

Invited lecture at the 250th American Chemical Society Fall National Meeting and Exposition in the "Energy and Fuels Division", Boston (USA), August 2015;

Invited lecture at the Swedish Theoretical Chemistry meeting, Linnéuniversitetet, August 2015;

Invited lecture at the MS&T15 conference (Materials Science & Technology 2015, org. by the American Ceramics Society), Columbus (Ohio, USA), October 2015;

Invited lecture at the 251st American Chemical Society National Meeting and Exposition in the "Surface chemistry and catalysis of transition metal oxides session", San Diego (USA), March 2016;

Invited lecture at the conference "Theory and Applications of Computational Chemistry" - TACC 2016, Seattle (USA), August 2016

Selected research-related commissions of trust (current and recent)

At a national level

- The Swedish Research Council (VR): Chairman of the Physical & Theor Chem. committee (2010, 2011, 2013), vice chairman (2016).

- The Swedish Research Council: Member of the RFI panel to write "the Scientific Case" for future e-infrastructure in Sweden in the area of *Condensed-matter physics, chemistry and nanoscience*. (Feb-Sept 2013).
- The Swedish Research Council (VR): e-Science committee (bg 4) of KFI/RFI (2005-2010).
- Board member of SNIC ("Swedish National Infrastructure for Computing") (2012-).
- PI of the National strategic research program eSSENCE (2010-). Program Co-coordinator (2010-2011).
- MISTRA: The Strategic Mistraprogram "E4" (coordinated by Volvo): Board member (2010-2014)
- The Swedish Chemical Society: Board member of the Theoretical Chemistry Section (2012-); adjunct to the board of the Inorganic Chemistry section (2011-)
- Member of the assessment committee for the Göran Gustafsson prize (2015-);
- Deputy director of the KTH centre Joint Inst. of Nanotechnology for Global Energy (JINGLE) (2012-2013)
- Organizer of annual national e-science meetings for the *Swedish materials modelling community* (2011, 2012, 2013, 2014, 2015). The web-page of the June 2015 meeting is <http://essenceofscience.se/materials-2015/>
- Main organizer of the Swedish Theoretical Chemistry meeting 2014 (over 100 participants): "*Swedish Theoretical Chemistry – New Horizons*" (UU, Oct 2014).
- SSF: "Materials and electronics" evaluation panel for the call "Research leaders of the future" (2007).
- "Sakkunnig" of various professorships and lectureships in the last 8 years: Physical Chemistry at Stockholm University (2015); and earlier Theoretical chemistry, Stockholm University; Theoretical chemistry at Lund university; Heterogeneous catalysis at Linköping university; Protein physics at KTH; Theoretical chemistry at Lund university; Applied mathematics at Uppsala University; Industrial recycling at Chalmers Univ.of Techn.

Outside Sweden

- **For the European Commission:**

- * Board member European Materials Modelling Council (EMMC), which is a European Commission-instilled organization to promote the use of materials modelling and computer simulations in European industry, launched under Horizon 2020 (www.emmc.info, 2014-).
- * Appointed Chairman and rapporteur of the session "Future for modelling: materials and industrial process" at the LET'S (Leading Enabling Technologies for Societal Challenges) in Bologna in connection with the Italian "Presidency of the Council of the European Union" (2014)
- * Chaired the EU Commission-organized modelling session at the "*Industrial Technologies 2012 - integrating nano, materials and production*", Aarhus (Denmark) (June 2012).
- * Member of various European Commission evaluation panels within FP6, FP7 concerning network actions as well as individual actions (Marie Curie, NEST, and NMP, i.e. Nanotechnologies and nano-sciences, knowledge-based multifunctional materials, and third country activities). Expert evaluator Research Infrastructures (2010), and for Large-scale cooperation projects in NMP (2011).

- **The Nordic countries:**

- * Board member of the strategic e-Science Centre for Theoretical and Comp. Chemistry (CTCC) in Oslo and Tromsø (Norwegian Res. Council): international board with remote and on-site responsibilities (2010-2014)
- * Norwegian ministry of Education (utbildningsdepartementet): Member of a new Norwegian national committee for the "promotion of assoc. professors to full professors" (2012-2016).
- * Panel member at the Norwegian Research Council: Assessment of Strategic Research Areas in Chemistry at Norwegian universities, international panel (2011).
- * Board member of the national Norwegian e-science enterprise "eVITA" (eVitenskap - Infrastruktur, teori och anvendelser; financed by NFR) (2006-2008).
- * Committee for lectureship in computational physics at Roskilde University, Denmark (2011).

- **Other European countries:**

- * Adjunct to high performance computing coord. committee at Univ. of Innsbruck (2008-)
- * Evaluations for the *The National Centre for Research and Development of Poland* (2013), and for the *Norwegian Research Council* and for the *US National Science Foundation (NSF)* (2010-2012).

- **International conference organization (recent):**

- * Full-day symposium "*Molecular dynamics - from quantum dynamics to mesoscale dynamics*" at the 8th Congress of *The International Society of Theoretical Chemical Physics (ISTCP-VIII)*, Budapest 25-31 Aug. 2013.

- * Organizer of *COST reducible metal oxide meeting* (CM11104, Uppsala 6-8 Nov. 2013) with some 90 participants from many continents.
- * Co-chair and co-organizer of a minisymposium on "*Molecular interactions in crystal packing and molecular assemblies*" at the 26th European Crystallographic Meeting Darmstadt, August 2010.

For Uppsala University

- Vice chairman of **ISP** (International Science programs) of Uppsala University (2013-).
- Vice chairman of **CIM** (Center för Interdisciplinary Mathematics @ UU) (2013-)
- Vice chairman of **UPPMAX** (Uppsala Multidisc. Center for Adv. Computational Science) (2003-2011).
- Uppsala-Chemistry's representative in the "elektorsförsamling" for the new Sw. Science Council Board (2013).
- Promotor for the TekNat Faculty of Uppsala University at the Doctoral Promotion, May 2015.
- and more ...