

Name: **Kenny Ståhl**
Date of birth: 19. August 1953
Nationality: Swedish
Family: Married, two children

Professional qualifications:

Master of Science in Chemical Engineering, University of Lund, Sweden, 1978
Doctor of Technology, Inorganic Chemistry 2, University of Lund, Sweden, 1983
Docent, Inorganic Chemistry 2, University of Lund, Sweden, 1988

Academic appointments:

1983 - 1985:	Postdoctoral fellow	Chemistry Department, Brookhaven National Laboratory, New York, USA
1985 - 1988	Research assistant professor	Inorganic Chemistry 2, University of Lund, Sweden
1st half 1987	Visiting scientist	Laboratoire du Chimie du Coordination, CNRS, Toulouse, France
1988 - 1989	Associate professor	Inorganic Chemistry 2, University of Lund, Sweden
1989 - 1995	Research associate professor	Inorganic Chemistry 2, University of Lund, Sweden
1995 -	Associate professor	Department of Chemistry, DTU

Current research interests:

Structure – property – relationships in inorganic materials based on crystallographic studies of single-crystals and powders utilizing conventional and synchrotron X-rays and neutron radiation. In situ synchrotron powder diffraction, EXAFS. In particular: Energy storage materials; catalysts; new functional and nano-structured materials; proteins and pharmaceutical systems.

National and international collaboration:

New hard materials, Jianzhong Jiang, Zhejiang University, Hangzhou, China
New functional materials, Marek Szafranski, Adam Mickiewicz University, Poznan, Poland
New functional materials, Erling Ringgaard, Ferroperm-Piezoceramics A/S, Denmark
Synchrotron radiation, Yngve Cerenius, MAX-lab, University of Lund, Sweden
Energy storage materials, Claus J. H. Christensen, Center for Sustainable and Green Chemistry, DTU Kemi
Catalysis, Alfons Molenbroech, Haldor Topsøe AS
Catalysis, Rasmus Fehrmann, DTU Kemi

Professional capacities:

Member of the Danish National Committee for Crystallography, 1997-
Member of the European Powder Diffraction Committee, 1997-
Reviewer of synchrotron beamtime applications at ESRF, Grenoble, France, 2006-
Reviewer for Acta Crystallographica, Journal of Applied Crystallography, Journal of Solid State Chemistry, American Mineralogist, etc.

Publications:

About 100 publications in peer reviewed journals.

Teaching:

”Crystal structure analysis”: Crystallography and single-crystal structure determination.

”Structural and solid state chemistry”: Structure-property relationships in the solid state. Powder diffraction methods.

“Ingenjörarbejde – kemi og teknologi”: Synthesis and characterization of ion-exchanged pillared clay.

“The Rietveld method and powder diffraction” PhD course.

Supervision (2003-2008):

Hans T. L. Hansen (in collaboration with Haldor Topsøe)
Metalholdige zeolitter som katalysatorer – selektiv oxidation af methan.
Master thesis, Technical University of Denmark, (2003)

Joan Carles Forcat i Castillo
Synthesis, characterization and study of the applications of AlPO-5, an AFI zeotype.
Master thesis, Technical University of Denmark, 2003.

Marie L. Houlberg (in collaboration with Ferroperm-Piezoceramics)
Udvikling, syntese og karakterisering af piezoelektriske keramik.
Master thesis, Technical University of Denmark, (2004).

Jens Wenzel Andreasen (in collaboration with Risø & Haldor Topsøe)
Characterisation of nano-structured materials by resonant X-ray scattering.
Phd thesis, Technical University of Denmark (2005).

Rune Johnsen. (in collaboration with Haldor Topsøe)
Characterization of an iron oxide based catalyst system.
Master thesis, University of Copenhagen, Denmark (2005).

Maria Augustesen (in collaboration with Rockwool International)
High-temperature properties of mineral wool.
Master thesis, Technical University of Denmark, (2005).

Linda Nørskov (in collaboration with Risø)
Electrochemical reduction of NOx.
Master Thesis, Technical University of Denmark, 2006.

Thomas Willum Hansen (in collaboration with Haldor Topsøe & University of New Mexico)
Sintering and particle dynamics in supported metal catalysts.
Phd thesis, Technical University of Denmark, 2006.

Loa Nielsen (in collaboration with Rockwool International)
Influence of fibre chemistry on the thermal stability of Stone Wool
Master Thesis, Technical University of Denmark, 2006.

Jette Oddershede
X-ray characterization of nanostructured materials
Phd thesis, Technical University of Denmark, 2008.

Christian Grundahl Hartmann
X-ray powder diffraction studies on proteins
Master thesis, Technical University of Denmark, 2008.