



Professor emeritus at Department of Fire Safety Engineering and Systems Safety, Lund University, Sweden

PROFESSIONAL PREPARATION:

- Civ.ing (Master of Science) in technical physics, LTH, LU 1966;
- Techn. Lic. Physics, Limits of flammability LTH, LU 1971,
- Ph.D. Physics, Natural convection, limits of flammability 1979, LTH, Lund University

APPOINTMENTS:

- Part time Consultant for WSP 2007-
- Professor Emeritus Department of Fire Safety Engineering LTH, Lund University 2008 -
- Professor Department of Fire Safety Engineering LTH, Lund University 1999-2008
- Assistant professor department of fire safety engineering LTH, Lund University 1996-1999
- Senior lecturer department of fire safety engineering LTH, Lund University 1983- 1996
- Docent in combustion diagnostic techniques Department of Physics, LTH,LU 1983-1986
- Fire researcher Swedish National Testing and Research Institute 1980-1983
- Post doc Department of Physics LTH, LU 1979-1980

COMMISSION OF TRUST:

- Board member of the international committee (participants from UK, F, FIN and SE) that developed the fire-specific CFD-Code SOFIE
- Dean of studies, National Centre of combustion Science and Technology, CECOST; 1997-2007
- Manager of Lund University Combustion centre LUCC 2004-2007
- Project leader for the CECOST flame spread project including five Ph.D. students at five different departments 1998-2003
- Project leader for the CECOST project Spontaneous ignition including two Universities and the Swedish testing and research Institute, 2003-2007
- Project leader for the project Quality scenarios for validation of CFD-codes including two university departments, Swedish testing and research Institute and a consultant company, 2004-2008.
- Employed by “Swedish accident Investigation board” to investigate the Gothenburg Disco Fire 1998 and the Uppsala peat storage fire.
- Member of committee for education of researchers and appointment of teachers at Lund Institute of Technology (Building, Mechanics and Architecture)
- Opponent on three Ph.D. thesis at foreign Universities, member of ten national Ph.D. examination committees

PROFESSIONAL EXPERIENCE:

- Computational Fluid dynamics, CFD, models and applications on tunnels, atria, different arenas, industrial buildings, hospitals, offices and airport terminals.
- Risk associated with industrial fires
- Fire suppression and detection
- Fire investigation (at the request from SBF, assurance companies and lawyers in Sweden and Norway)
- Evaluation of fire test methods and measurement techniques
- Pollutants and risks associated with the use and storage of natural gas
- Spark breakdown and ignition kernel development
- Laser diagnostic measurement techniques

1995- Part time worked for the National Accreditation Bureaus

SWEDAC, Norsk Akkreditering, Accreditation authority in Lithuania (Fire and textile labs in the north of Europe)

SUPERVISOR FOR GRADUATED STUDENTS

Completed

Ph.D. Degree

1. H.Tuovinen, Simulation of Combustion and Fire-Induced Flows in Enclosures Report LUTVDG/(TVBB-1010) Lund 1995
2. H.Ingasson, Experimental and Theoretical Study of Rack Storage Fires Report LUTVDG/(TVBB-1013) Lund 1996
3. P.Andersson, Evaluation and Mitigation of Industrial Fire Hazards Report LUTVDG/(TVBB-1015) Lund 1997
4. Z.Yan Numerical Modeling of Turbulent Combustion and Flame Spread LUTVDG/(TVBB-1018) Lund 1999
5. S.Särdqvist Demand for Extinguishing Media in Manual Fire Fighting LUTVDG/(TVBB-1021) Lund 2000
6. S. Svensson The Operational Problem of Fire Control LUTVDG/(TVBB-1025-SE) Lund 2002
7. A.Dederichs Flamelet Modelling of Soot Formation in Diffusion Flames LUTVDG/TVBB-1031-SE Lund 2004
8. U.Göransson Determination of Material Properties for Fire Modelling LUTVDG/TVBB-1034-SE Lund 2005
9. A.Lönnermark On the Characteristics of Fires in Tunnels LUTVGG/TVBB-1033-SE Lund 2005
10. P. Blomqvist Emissions from Fires LUTVDG/TVBB-1030-SE Lund 2005
11. B. Husted Experimental measurements of water mist systems and implications for modelling in CFD LUTVDG/TVBB-1036-SE Lund 2007
12. B Sundström The development of a European Fire Classification system for building products, Test methods and Mathematical Modelling LUTVDG/TVBB-1035-SE Lund 2007
13. B. Andersson. Fire hazard analysis of hetero-organic fuels - Source characteristics from experiments. LUTVDG/TVBB--1042—SE Lund 2009

Lic. Degree

1. S.Särdqvist An engineering Approach to Fighting Tactics Report LUTVDG/TVBB-1014-SE Lund 19962.
2. S.Svensson, Solving Tactical problems using control engineering: System Identification and modelling Report LUTVDG/TVBB-1017-SE Lund 1998
3. L. Bengtsson Flashover, Backdraft and Smoke Gas Explosion from a Fire Service PerspectivReport LUTVDG/TVBB-1019- SE Lund 1999
4. J. Carlsson Computational strategies in flame-spread modelling involving wooden surfaces- An evaluation study LUTVDG/TVBB-11028-SE Lund 2003
5. B. Andersson Combustion Products from Fires: Influence from ventilation conditions LUTVDG/TVBB-1029-SELund 2007

SUPERVISOR FOR ABOUT 50 DIPLOMA WORKERS

PUBLICATION IN INTERNATIONAL JOURNALS

Husted, B.P.; Petersson, P.; Lund, I.; Holmstedt, G
"Comparison of PIV and PDA droplet velocity measurement techniques on two high-pressure water mist nozzles", **Fire Safety Journal** 44 No 8 1030-1045 (2009)

Husted Bjarne Paulsen; Holmstedt Goran
"Influence of Draft Curtains on Sprinkler Activation - Comparison of Three Different Models"
Journal of Fire Protection Engineering 18 No.1 29-54 (2008)

Omrane, A.; Wang, Y.C.; Goransson, U.; Holmstedt, G.; Alden, M.
"Intumescent coating surface temperature measurement in a cone calorimeter using laser-induced phosphorescence", **Fire Safety Journal** 42 No.1 68-74 (2007)

Rupar-Gadd, K.; Bagherpour, M.B.; Holmstedt, G.; Welander, U.; Sanati, M.
"Solid phase micro extraction fibers, calibration for use in biofilter applications",
Biochemical Engineering Journal 31 Issue: 2 Pages: 107-112 (2006)

Andersson, B.; Markert, F.; Holmstedt, G.
"Combustion products generated by hetero-organic fuels on four different fire test scales",
Fire Safety Journal 40 No 5 439-465 (2005)

A.Hofmann, S. Busse, M.Marx and G. Holmstedt
"Chemisch-analytischer Nachweis von Brandlegungsmitteln bei Kraftfahrzeugbränden",
VFDB 3 (125-121) (2005)

S. Särdqvist and G.Holmstedt "Water for manual Fire Suppression",
J. of Fire Protection Eng. 11, 209-231 (2001)

S.Särdqvist and G. Holmstedt "Correlation Between Firefighting Operation and Fire Area: Analysis of Statistics",
Fire Technology 36:2,109-130 (2000)

- P. Andersson and G. Holmstedt "Heat Sensing Manikin Test Probe",
Fire and Materials 24, 195-199 (2000)
- P. Andersson and G. Holmstedt "An Instrument for Determining the
"Total Water Content in Air whilst Extinguishing Fires",
Fire and Materials 23 No 4 187-192 (1999)
- Z. Yan and G. Holmstedt "Three-dimensional Computation of Heat
Transfer from Flames Between Vertical Parallel Walls"
Combustion and Flame 117:574-588 (1999)
- P. Andersson and G. Holmstedt "Limitations of Water Mist as a Total
Flooding Agent". **J. of Fire Protection Eng.**, 9(4) 31-50 1999
- Z. Yan and G. Holmstedt "A two-equation turbulence model and its
application to a buoyant diffusion flame"
Int.J. Heat and Mass Transfer 42 (1999) 1305-1315
- P. Andersson, B. Karlsson, S.E. Magnusson and G. Holmstedt "FREIA- An expert system for
fires and explosions in the process industries"
J. Loss. Prev. Process Ind. Vol 10 No4 pp 265-269.(1997)
- Z. Yan and G. Holmstedt "A Fast Narrow Band Computer Model for
Radiation Calculations" **Numerical Heat Transfer, Part B** , 31:61-71 (1997)
- Tuovinen, G. Holmstedt and S. Bengtsson "Sensitivity calculations of
Tunnel Fires Using *CFD*", **Fire and Technology** Sec. Qua. p 99-119, (1996)
- Z. Yan and G. Holmstedt "CFD and experimental studies of room fire growth on wall lining
materials.", **Fire Safety Journal** Vol 27 No 3.p 201-238 (1996)
- Holmstedt, G.; Jonsson, R.; Magnusson, S.-E.; Pettersson, O. "University training of senior
fire brigade officers - The new approach in Sweden"
Fire Safety Journal 1989 Volyme 15 No.1 95-101 (1989)
- G. Holmstedt "Rate of Heat Release Measurements with the Swedish Box Test"
Fire and Materials 8, 20-27 (1984)
- Wickstrom, U.; Sundstrom, B.; Holmstedt, G. "The development of a full-scale room fire
test", **Fire Safety Journal** 5, 191-197 (1983)
- M. Aldén, H. Edner, G. Holmstedt, S. Svanberg and T. Högberg "Single-Pulse Laser-Induced
OH -Fluorescence in an Atmospheric Flame, Spatially resolved with a diode array detector"
Applied Optics 21, 1236-1240 (1982)
- G. Holmstedt "The Upper Limit of Flammability of Hydrogen in Air,
Oxygen, and Oxygen-Inert Mixtures at Elevated Pressures"
Combustion and Flame 17, 295-301 (1971)

CONTRIBUTIONS TO INTERNATIONAL CONFERENCES

Zhenghua Yan, Per Blomqvist, Ulf Göransson, Göran Holmstedt, Lars Wadsö, Mehri Sanati and Patrick Van Hees., "Validation of CFD Model for Simulation of Spontaneous Ignition in Bio-mass Fuel Storage",
8 th IAFSS 2005

Y.Wang, U.Göransson, G.Holmstedt, A.Omrane
"A model for prediction of temperature in steel, based on tests in the Cone Calorimeter"
8 th IAFSS 2005

Katarina Rupa-Gadd, Lars Wadsö, Göran Holmstedt, Bror Persson, Per Blomqvist and Mehri Sanati, "Biomass resources: Spontaneous Combustion of Biofuels caused by Microbial Activity" **2nd World Conference and Technology Exhibition on Biomass for Energy, Industry and Climate Protection, 10-14 Mai 2004, Rome, Italy**

Zhang, Ferraris, Demberle and Wen, Kingston University, London
Göransson and Holmstedt Lund University, "Numerical and Experimental Investigation of Flame Spread over a PMMA Surface",
Interflam 2004

A.V. Chamchine, T.L. Graham, G.M. Makhviladze, G.Holmstedt, A.Snegirev and V.A. Talalov "Experimental Studies of Under-ventilated Combustion in Small and Medium-scale Enclosures"
Fire and Explosions 2003

K.Rupa-Gadd, L.Wadsö, G.Holmstedt, B.Persson, P.Blomqvist and M.Sanati " Spontaneous Combustion of Biofuels caused by Microbial Activity" **The International Society for Biological Calorimetry (ISBC) XIIIth Conference WUrfburg, Germany September 27-October 01 2003**

Omrane A., Ossler F. Alden M., Göransson U. and Holmstedt G.
"Surface Temperature Measurement of Flame Spread Using Thermographic Phosphors". Published in the proceedings of the **7th International Symposium on Fire Safety Science (IAFSS), Worcester, Massachusetts, USA (2002).**

Z.Yan and G.Holmstedt Investigation of the dance hall fire in Gothenburg, October 1998-"A comparison between human observations and CFD simulation"
Interflam September 17-19 (2001) Edinburgh Scotland

Bengtsson S, Holmstedt G., Kecklund L., Lorin H., Widlund P. "The behavior of young people in a fire at a dance party in Gothenburg in 1998", **Proceedings of the second Int.Symp. Human Behaviour in Fire, Mars 26-28 (2001) Boston, USA**

Z. Yan and G. Holmstedt "Numerical investigation of Rack Storage Fires"
6th IAFFS Conference July 5-9 (1999) Poitiers , France

G. Holmstedt and Z. Yan "CDF-simulation of flame spread and pollution formation in room fire" **Chemeca 98 the 26th Australasian Chemical Engineering Conference 28-30 September 1998, Port Douglas, Queensland**

F. Markert, B Rasmussen and G. Holmstedt "Experiments and Risk Assessment Concerning Chemical Warehouse Fires" **Second International Conference on Fire Research and Engineering (ICFRE2) 10-15 Aug 1997 NIST, USA**

Z. Yan and G. Holmstedt "CFD Simulation of Upward Flame Spread over Fuel Surface"
5th IAFFS Conference March 3-7 (1997), Melbourne, Australia

B. Andersson, G. Holmstedt, S. Särdaqvist and G. Winter "Simulated Fires in Substances of Pesticide Type" **3rd Seminar on European Research on Industrial Fires, 17-18 September 1996, Risö National Laboratory, Roskilde, Denmark.**

Andersson, V. Babrauskas , G. Holmstedt, S. Särdaqvist and G. Winter "Scaling of Combustion Products from Chemical Warehouse Fires" **3rd Seminar on European Research on Industrial Fires, 17-18 September 1996, Risö National Laboratory, Roskilde, Denmark**

P. Andersson and G. Holmstedt "CFD simulation of activation of smoke detectors" **1:st European Symp. on Fire Safety Science Zurich August 73-74 (1995)**

Z. Yan and G. Holmstedt "CFD simulation of flame spread in room fire" **1:st European Symp. on Fire Safety Science Zurich August 95-96 (1995)**

P. Andersson and G. Holmstedt "CFD-Modelling Applied to Fire Detection- Validation Studies and Influence of Background Heating" **10 Int Kong. über Automatische Brandentdeckung, AUBE '95, Duisburg Germany Apr. 4-6 (1995)**

H. Tuovinen, G. Holmstedt and S. Bengtsson "CFD-modelling of Tunnel Fires" **Int. Conf on Fires in Tunnels, Borås Sweden Oct. 10-11 (1994)**

G. Holmstedt, P. Andersson and J. Andersson "Investigation of Scaling Effects on Halon and Halon Alternatives Regarding Flame Extinguishing, Inerting Concentration and Thermal Decomposition Products" **Proc. 4th Int. Symp. on Fire Safety Science, 853-864 Ottawa Canada July 13-17 (1994)**

B.Andersson, G.Holmstedt and S.Särdqvist "Production of Toxic Gases-Scaling effects" **STEP Industrial Fires Workshop Proc. Cadarach France May 16-18 (1994)**

G.Holmstedt "Extinction Mechanisms of Water Mist " **Proceedings of the Int. conf. on Water Mist Fire Suppression Systems, 89-100, Borås, Sweden Nov. 4-5 (1993)**

G.Holmstedt and J.Andersson "Alternative Agent Combustion Product Formation, Flame Suppression and Flammability Characteristics" **Proc. Halon Alternatives Technical Working Conference, 83-105 Albuquerque, New Mexico May 11-13 (1993)**

G.Lindgren, L.Zetterqvist and G.Holmstedt "Estimation of Quantiles in Airborne Pollution; Measuring Pollution around Gas Furnaces" **Spruce Proc. Statistics in the Environment 1992, J Wiley&Sons (1992)**

S. Bengtsson, G.Holmstedt and H.Tuovinen "Modelling of Tunnel Fires" **4th Nordic Workshop on Use and Development of Numerical Fire Models Kollokole, Denmark Sept. 3-4 1992**

G.Holmstedt and H.Tuovinen "Zone and Field Model: Validation Studies" **4th Nordic Workshop on Use and Development of Numerical Fire Models Kollokole, Denmark Sept. 3-4 1992**

H.Tuovinen and G. Holmstedt "Computer Modelling of Extinction of Methane-Air Premixed Flames by Thermally Stable Gases" **Proc. 1st Int. Conf. on Fire Suppression Research, 37-55, Stockholm May 5-8 (1992)**

T.Högberg and G. Holmstedt "The Short-Duration Spark Characteristics Relevant to Ignition in Engines and Spark Coupling to the Electric Circuit" **Workshop and Exposition on Fluid Mechanics, Combustion and Emission in Reciprocating Engines, Capri Italy Apr. 1-4 (1990)**

G.Holmstedt, J.Aunula, T.Högberg and L Martinsson "Time and Space Resolved Study of Break Down, Ignition and Flame Kernel Development of Inductive and Capacitive Ignition Systems" **Workshop and Exposition on Fluid Mechanics, Combustion and Emission in Reciprocating Engines, Capri Italy Apr. 1-4 (1990)**

H.M.Hertz, P.Thomsen and G.Holmstedt "High Voltage Measurements System based on a Capacity Coupled Pockels Cell" **ECOOSA '86 Florence 1986**

G.Holmstedt and H.Persson "Spray Fire Tests with Hydraulic Fluids" **Proc. 1st Int. Symp. on Fire Safety Science, 869-879 NBS, Gaithersburg, Maryland Oct. 9-11 (1985)**

M.Aldén, P.Grafström H.Hertz, G.Holmstedt, T.Högberg,
G.Russberg and S.Svanberg. “ **Characterisation of Ultra-Short
High Current Sparks for Ignition Systems**” **Int. Symp. on
Diagnostics and Modelling of Combustion in Reciprocating
Engines, Tokyo Sept. 4-6 (1985)**

M.Aldén, P.Grafström, H.Hertz, G.Holmstedt, T.Högberg,
G.Russberg and S.Svanberg. “Prehistory of Spark Ignition” **Proc. IEA
7th Task Leaders Meeting Tokyo Aug. 26-29 (1985)**

M. Aldén, H. Edner, P. Grafström, H.M. Hertz, G. Holmstedt, T.
Högberg, H. Lundberg, S. Svanberg, S. Wallin, W. Wendt, U.
Westblom. ”Imaging Measurements of Species Concentrations,
Temperatures and Velocities in Reactive Flows using Laser- Induced
Fluorescence”. **Proc. Int. Conf. on LASERS '84 Conf. San
Francisco Nov. 26-30, 1984**

M.Aldén, S.Borgström, H.Edner, G.Holmstedt, T.Högberg and
S.Svanberg “Probing of Electrical Discharges by Laser Techniques”
**Proc. IEA 5th Task Leaders Meeting Bodö and Trondheim Aug.
22-24 (1983)**

M.Aldén, H.Edner, P.Grafström, G.Holmstedt et al. “*Imaging
Measurements of Species Concentrations, Temperatures and
Velocities in Reactive Flows using Laser-Induced Fluorescence*” **Int.
conf. on Lasers '84 San Francisco Nov. 26-30 210-226 (1984)**

M.Alden, H.Edner, G.Holmstedt, T.Högberg, H.Lundberg and
S.Svanberg “*Applications of lasers to combustion diagnostics*” **Proc.
IEA 3rd Task Leaders Conference Gothenburg Sept. 15-16 (1981)**

NATIONAL AND INTERNAL REPORTS

Holmstedt, G., Bengtsson, S., Blomqvist, P., Dittmer, T., Hägglund, B., Tuovinen, H., van
Hees, P., ”Kvalitetsäkring av olycks- och skadeförebyggande arbete med brandskydd i
byggnader”, **Report ISRN:LUTVDG/TVBB--3144—SE 2008**

G. Holmstedt ”Slutrapport Självantändning vid lagring av biobränsle och
biogent avfall” **Report ISRN:LUTVDG/TVBB--3132—SE 2005**

G.Holmstedt ”Flamespread-final report”,
Report ISRN:LUTVDG/TVBB--3132—SE 2005

T.Hertzberg, A.Hahne,C.Josefsson, G.Holmstedt, B.Husted
”Vattendimma: Teori, fysik, simulering”
SP Rapport 2004:15 Borås 2004

Holmstedt, G. & Grahn, E.,
”Underventilerad brand”, **Report ISRN:LUTVDG/TVBB--3131—SE 2004**

Andersson B, Babrauskas V, Holmstedt G, Särdaqvist S, Winter G
"Simulated Fires in Substances of Pesticide Type", **Report**
ISRN:LUTVDG/TVBB--3087—SE 1999

Yan Z, Holmstedt G "Numerical Prediction of Heat Flux from Flame in
Room Fire" **ISRN: CODEN LUTVDG/TVBB—3090—SE 1997**

P.Andersson, G Holmstedt " Full scale extinguishing tests using
different water mist extinguishing systems in a 50 m³. container in
Karlskrona. Aug. 1996" **3089 ISRN LUTDG/TVBB-3089-SE 1996**

P.Andersson, M. Arvidson and G. Holmstedt"Small scale experiments
and theoretical aspects of flame extinguishment with water mist"
Report ISRN LUTDG/TVBB--3080-SE 1996

B.Persson, H. Ingasson and G. Holmstedt "CFD simulations with
reference to smoke detector response" **SP AR 1995:46,Brandteknik,**
Borås 1995

G.Holmstedt "Fullskaliga släckförsök med olika halotroner i f.d.
vedettbåten HMS "Smyge" i Karlskrona 26/6 - 28/6 1995"
Institutionen för Brandteknik, LTH på uppdrag av FMV (FuhBM)

G.Holmstedt "Brandförsök med J-35 Draken på Nyårsåsens
skjutfält 7/6 1995" **Institutionen för Brandteknik,LTH i samarbete**
med F14 i Halmstad på uppdrag av FMV (FuhBM)

B.Andersson, G.Holmstedt and S.Särdaqvist "Production of toxic
gases - Scaling effects" **Report LUTVDG/(TVBB-3075 -SE) (1994)**

B.Andersson, F.Davie, G.Holmstedt, A.Kenés and S.Särdaqvist
"Combustion of chemical substances and the impact on the
environment of the fire products -1/3 Scale room furnac experiments"
Report LUTVDG/(TVBB-3074-SE) (1994)

B.Andersson, P.Andersson, G.Holmstedt and S.Särdaqvist
"Natural Gas. Safety Level. Risk Analysis.(in Swedish)" **Report**
LUTVDG/(TVBB-3073-SE) (1994)

G.Holmstedt Full scale test with Halotron I IHMS "Smyge" at
Lindholmen **Naval Command South(1993)**

P.Andersson, G.Holmstedt, B.Karlsson and S.E.Magnusson "A
technical reference guide to FREIA- a risk analysis tool for accidental
releases and fires in industrial buildings" **Department of Fire Safety**
Engineering, Lund 1993

P.Andersson, G.Holmstedt, B Karlsson and S-E. Magnusson "A
users guide to FRIEA- A risk analysis tool for accidental releases and
fires in industrial buildings" **Department of Fire Safety Engineering, Lund 1993**

B.Andersson, G.Holmstedt and S.Särdqvist “Risks associated with distribution and industrial use of natural gas” (in Swedish)(1993)
Department of Fire Safety Engineering, Lund 1993

B.Karlsson, G.Holmstedt and P.Thomas “Flame sizes in a small scale stack: Pilot experiments” (1993) **Department of Fire Safety Engineering, Lund 1993**

G.Holmstedt “Sprinkler and fire venting interaction-literature survey on modelling approaches and experiments available and recommendations for further studies. (1992) **Department of Fire Safety Engineering, Lund 1993**

G.Holmstedt and I.Ondrus “Risks associated with fires and explosions in draft cabinets (in Swedish) **Report LUTVDG/(TVBB-3054) (1991)**

G.Holmstedt and J-E. Öst “Riskanalys av två ytbehandlingsindustrier i Jönköpings Län **Report SE-LUTVDG/TVBB-3064 (1991)**

D.Löfgren and G.Holmstedt “Risks associated with domestic use of natural gas -Part 1 (in Swedish) **Report LUTVDG/(TVBB-3045) (1989)**

C.Vannerberg and G.Holmstedt “Spread of NO around a natural gas fired wall burner” (in Swedish) **Report LUTVDG/(TVBB-3047) (1989)**

G.Holmstedt and J.Ondrus Risks associated with domestic use of natural gas-Part 2 (in Swedish) **Report LUTVDG/(TVBB-3048) (1989)**

R.Gabrielsson and G.Holmstedt “Survey of fundamental ,applied and apparatus related combustion research inSweden” (in Swedish) **STU Nov. 1988**

G.Holmstedt “Emission and reduction of NO_x in pre-mixed natural gas combustion (in Swedish) **Gasteknik 245 (1987)**

G.Holmstedt, S.E. Magnusson and P.H Thomas “Detector environment and detector response- a survey” **Report LUTVDG/(TVBB-3039) (1987)**

G.Holmstedt “Survey and proposal for a three year program in fundamental combustion research i Sweden (in Swedish) **STU-Information 618-1987**

G.Holmstedt “High expansion foam literature summary and proposals for research (in Swedish)” **Technical Report SP-RAPP 1986:05**

G.Holmstedt, H.Persson and G.Sävenmark "Extinguishment of diffusion flames at low Froude numbers (in Swedish)"

Technical Report SP-Rapp 1986:24

G.Holmstedt "Emission and reduction of NO_x in premixed natural gas-air burners (in Swedish)"

Lund reports on atomic physics, LRAP-63 (1986)

M.Aldén, H.Edner, G.Holmstedt, L.Uneus and S.Wallin "Laseroptical techniques for measurements of NO in gas mixtures "(1986)

Department of atomic physics LTH

G.Holmstedt, H.Persson "High expansion foam- resistance against radiant heat" (in Swedish)

Technical Report SP-RAPP 1985:27

H.Edner, G.Holmstedt and S.Wallin "Formation and reduction of NO_x in natural gas combustion" (in Swedish) **Gasteknik 186 (1985)**

G.Holmstedt, I.Wetterlund "Surface products-rate of heat release measurements with the Swedish box test"

Technical Report SP-RAPP 1984:29

G.Holmstedt, H.Persson and A.Ryderman "Fire extinction literature summary and proposals for research" (in Swedish)

Technical Report SP-RAPP 1984:35

G.Holmstedt "Fire risks associated with deposition of nuclear waste (in Swedish)" **SP Dnr 172-84-824 (1984)**

LH.Edner, G.Holmstedt and S.Wallin "Formation and reduction of NO_x in natural gas combustion" (in Swedish)

Lund reports on atomic physics, LRAP-36 (1984)

M.Aldén, S.Borgström, H.Edler, G.Holmstedt, T.Högberg and S.Svanberg "The CARS technique applied to spark discharges (1983)"

Department of atomic physics LTH

I.Kaiser and G.Holmstedt "Fires in hospital beds" (in Swedish)

Technical report SP-RAPP 1983:04

G.Holmstedt, H.Persson and A.Ryderman "Hydraulic fluids-spray fires (in Swedish)" **Technical Report SP-RAPP 1983:29**

M.Aldén, G.Holmstedt, T.Högberg and S.Svanberg "Initiation of combustion" (in Swedish)

Lund Reports on Atomic physics, LRAP-13 (1982)

M.Aldén, S.Borgström, H.Edner, G.Holmstedt, T.Högberg,
H.Lundberg and S.Svanberg. "Ignition probing by laser techniques"
Lund reports on atomic physics, LRAP-18 (1982)

I.Kaiser and G.Holmstedt "ISO spread of flame test"
Technical Report SP-RAPP 1981:17

G.Holmstedt, A.Ryderman, B.Carlsson and B.Lennmalm
"Extinguishing of methanol-petrol mixtures with low expansion foams scaling
effects" (in Swedish) **Technical Report SP-RAPP 1981:20**

G.Holmstedt "Rate of heat release measurements with the
Swedish box test" **Technical Report SP-RAPP 1981:30**

G.Holmstedt one of many authors. Some main trends in
fundamental combustion research (in Swedish) (1981) **NUTEK**

M.Aldén, H.Edner, G.Holmstedt, T.Högberg, H.Lundberg
and S.Svanberg "Relative distribution of radicals and temperature in
flat flames, studied by laser-induced fluorescence and boxcars
spectroscopy" **Lund Reports on atomic physics, LRAP-1 (1981)**

G.Holmstedt "Estimation of flammability properties of powder
gases at reduced pressures (in Swedish) (1979)
Department of atomic physics LTH

G.Holmstedt Thesis. The influence of natural convection and
changes in the physical properties on the limits of flammability (1979)
including 4 papers. **Department of Physics**

G.Holmstedt "Explosion and fire risks at elevated pressures (in
Swedish) Diploma work (1966) **Department of atomic physics LTH**