

1. **FAMILY NAME:** SLUIS, VAN DER
2. **FIRST NAMES:** Sietze Marlon
3. **DATE OF BIRTH:** January 29th, 1961
4. **NATIONALITY:** NL
5. **CIVIL STATUS:** Single
6. **EDUCATION:** MSc Physics, Delft University of Technology, 1987
7. **LANGUAGE SKILLS:**

	Speaking	Reading	Writing
Dutch	Mother tongue		
English	fluent	fluent	fluent
German	fluent	fluent	passable
French	fluent	fluent	passable
8. **MEMBERSHIP OF PROFESSIONAL BODIES:**

Vice president of the scientific counsel, International Institute of Refrigeration (IIF/IIR, Paris)

Head of section D (storage and transport) of the scientific counsel, International Institute of Refrigeration (IIF/IIR, Paris)

President of subcommission D1 “refrigerated display cabinets” of the International Institute of Refrigeration (IIR/IIF, Paris).

Member of TVVL - Dutch association for HVAC installations

Member of DKV - German Refrigeration Association
9. **OTHER SKILLS:** Metrology (TTK / Vakaustoimisto. Helsinki / Finland 1985). Physics Teaching authorisation (Technical University, Delft)
10. **PRESENT POSITION:** Senior Researcher in Refrigeration , Saint Trofee
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4325 GN Renesse
The Netherlands
+31 (0) 111 795061
s.m.vandersluis@gmail.com
www.sainttrofee.nl
11. **YEARS WITH THE FIRM:** ½ (Saint Trofee) - 14 (TNO)
12. **KEY QUALIFICATIONS:**

15 Years experience as researcher in refrigeration technology. Three years experience as manager of the Department of Refrigeration and Heat Pump technology (staff of 25), main business: contract research & development. Experience as general manager of German contract research company FKW – GmbH.

Experienced in conducting research and leading research groups in the field of refrigeration & heat pump technologies and in energy efficiency research. Experienced in defining, organising and leading research projects. Experience as project leader in a number of EC sponsored reserch projects, with subcontractors from various EC member states.

Extensive Network in International refrigeration (EU, USA, Australia), Industrial and Institutional.

Experience as expert for the EC regarding energy efficiency issues in refrigeration (original directive of energy labelling of household refrigerators and freezers, 94/2/EC)

Specific expertise in: Supermarket Refrigeration, Supermarket refrigerated Display cabinets, Industrial Refrigeration Systems, Energy Labelling, Energy Storage in Cold stores (Night Wind), Thermal Modelling (heating and cooling with simultaneous mass transfer).

14. PROFESSIONAL EXPERIENCE RECORD:

Date	2009 – present
Location	Renesse / The Netherlands
Company	Saint Trofee
Position	Senior Researcher
Description	Refrigeration & Air conditioning contract research

Date	2004 – 2009
Location	Apeldoorn / The Netherlands
Company	TNO – MEP
Position	Senior Researcher
Description	Refrigeration & Air conditioning contract research

Date	2003 – 2004
Location	Hannover / Germa y
Company	FKW Forschungszentrum für Kältetechnik und Wärmepumpen GmbH
Position	Geschäftsführer (General Manager)
Description	Refrigeration & Air conditioning contract research

Date	2000 – 2003
Location	Apeldoorn / The Netherlands
Company	TNO – MEP
Position	Head of (research) department
Description	Refrigeration & Air conditioning contract research

Date	1990 – 1999
Location	Apeldoorn / The Netherlands
Company	TNO – MEP
Position	Scientific researcher
Description	Refrigeration, Air conditioning, Modelling

Date	1997 – 1989
Location	Rotterdam / the Netherlands
Company	CEA (Communication and Advisory Bureau on Energy & Environment)
Position	Researcher
Description	Renewable Energy, LCA, Modelling

15. OTHERS:

TNO-Reports: 185

Publications/Lectures: 20+ international publications/presentations

- 1 Computer modelling of carcass chilling processes
R.J.M. van Gerwen, S.M. van der Sluis en H. van Oort
Proceedings of the XVIIIth International Congress of Refrigeration
August 10-17, 1991 Montreal, Canada
Volume IV, page 1893
- 2 Abtaufühler in der Praxis
S.M. van der Sluis
Ki Klima-Kälte-heizung 1-2/1993, p.43
- 3 A second life for refrigerators
S.M. van der Sluis, A. Takla
Proceedings international conference on Building design, Technology, and Occupant Well-Being.
February 17-19, 1993 Brussels, Belgium
ASHRAE special publications, ISBN 1-883413-05-2
- 4 Efficiency standards in EC and Europe
V. Östergaard, S.M. van der Sluis (GEA)
Proceedings ECEEE summer study 1993, The energy efficiency challenge for Europe. Volume 1.
June 1-5, 1993 Rungstedgard, Denmark
ECEEE, Oslo, Norway. ISBN 82-91325-00-6
- 5 Cooling and freezing simulation of bakery products
S.M. van der Sluis
Cold chain refrigeration equipment by design
Proceedings IIR commissions B1, B2, D1, D2/3
November 15-18, 1993 Palmerston North, New Zealand (ISSN 0151-1637)
- 6 Energy management in supermarkets - focus on refrigeration
S.M. van der Sluis
CADETT Energy Efficiency Newsletter No. 1/1994 p.10
- 7 Simulation of heat and mass transfer in products
S.M. van der Sluis
19th Congress International Institute of Refrigeration (IIR)
August 20-25, 1995, The Hague
Proceedings, Part III a, IIR/IIF Paris
- 8 Reducing energy use of domestic refrigerators.
S.M. van der Sluis
19th Congress International Institute of Refrigeration (IIR)
August 20-25, 1995, The Hague
Proceedings, IIR/IIF Paris
- 9 Energy labelling of refrigerated display cases
F. Elefsen, A. Giegel and S.M. van der Sluis
19th Congress International Institute of Refrigeration (IIR)
August 20-25, 1995, The Hague
Proceedings, IIR/IIF Paris
- 10 Etiquetage Energetique des MFV
S.M. van der Sluis
Journées "Froid et distribution commerciale"
ADEME, Sophia Antipolis (FR), 5 - 6 juin 1996

- 11 Simulation of heat and mass transfer in products
S.M. van der Sluis
Workshop modelling, Prague (Czech republic), June 23rd - 25th 1997
Proceedings, "Modelling of Thermal Properties and behaviour of Foods during Production, storage and Distribution. P. 205. Food Research Institute Prague, Czech Republic.
- 12 Energie - Etikettierung von Gefriertheken
S.M. van der Sluis
DKV Tagung 1997, 19. - 21. November 1997, Hamburg
Tagungsbericht 24. Jahrgang, Band II-1 p.23
Deutscher Kälte- und Klimatechnischer Verein e.V. Stuttgart (D)
- 13 Energy labelling of refrigerated display cases.
J.A. Evans, A. Gigiel, S.M. van der Sluis
Joint International Conference of IIR Commissions D1, D2/3
Queens' College Cambridge, March 29 to April 1, 1998
- 14 Energy efficiency in refrigerated transport
R.J.M. van Gerwen, H. Schiphouwer, S.M. van der Sluis
Joint International Conference of IIR Commissions D1, D2/3
Queens' College Cambridge, March 29 to April 1, 1998
- 15 S.M. van der Sluis
Cooling Systems: state of the Art and future trends
Improving Energy efficiency in Commercial Buildings (IEECB)
International Conference organised by SAVE / Novem, 21-23 September 1998, Amsterdam
- 16 Etichettatura Energetica
R.J.M. van Gerwen, S.M. van der Sluis
Il Freddo, 1-1999, p. 64.
- 17 Experience with a voluntary energy labeling scheme for refrigerated display cabinets.
S.M. van der Sluis
20th International Congress of Refrigeration
September 19-24, 1999, Sydney Australia
Proceedings, IIR/IIF Paris
- 18 Verification of refrigerating appliance rated energy consumption.
S.M. van der Sluis
20th International Congress of Refrigeration
September 19-24, 1999, Sydney Australia
Proceedings, IIR/IIF Paris
- 19 Model based predictive control of a refrigeration plant.
S.M. van der Sluis, J.B.A. Vijge and R. Wouters
20th International Congress of Refrigeration
September 19-24, 1999, Sydney Australia
Proceedings, IIR/IIF Paris
- 20 Améliorer le rendement énergétique du transport frigorifique.
R.J.M. van Gerwen, S.M. van der Sluis, H. Schiphouwer
Revue générale du froid, juin 2000. nr. 1004, page 29

- 21 Energy savings in industrial refrigeration application.
S. Lobregt, S.M. van der Sluis,
Asercom Symposium 2000, Nürnberg 17 October 2000
Proceedings printed by Asercom, Berlin, Germany.
- 22 Cold II – The revision of energy labeling and minimum energy efficiency standards for domestic refrigeration appliances (final report)
Paul Waide et. Al.
Adéme (France), December 2000
- 23 Cold Appliance European Ring Test.
S.M. van der Sluis
Energy Efficiency in household Appliances and Lighting, page 395
ISBN 3-540-41482-7 Springer-Verlag Berlin Heidelberg, 2001
- 24 S.M. van der Sluis
A method for comparing refrigeration offers for supermarkets.
IIR Conference New Technologies in Commercial Refrigeration, Urbana (USA), July 22-23, 2002
- 25 Sluis, S.M. van der
Voluntary energy labelling and certified technical data for commercial refrigerated cabinets.
FREE 2001: Fluidi Refrigeranti, Espandenti, Estinguenti, 15 November 2001, Padova, p. 107-115
- 26 Sluis, S.M. van der, Lobregt S, koppenol, A.D.
CO2 systems are sweeping through The Netherlands
21st International Congress of Refrigeration
August 17-22, 2003, Washington DC USA
Proceedings, IIR/IIF Paris
- 27 Sluis, S.M. van der
Energetische Optimierung von Kühlprozessen mit Reduzierung des Gewichtsverlustes von Schlachtkörpern
Veranstaltung: „Contracting für die Fleischwirtschaft“ Energie Agentur NRW & Fleischforum
Septemeber 23, 2003, Wuppertal, Germany
Proceedings at www.fleischforum.de (expertenrat)
- 28 Sluis, S.M. van der
Air Cycle for building HVAC – results of practical research
FKW Seminar 2003 (Hannover, Germany)
- 29 S.M. van der Sluis (TNO, The Netherlands) and D. Gebhardt (FKW GmbH, Hannover)
Supermarket Energy Costs reduction II: savings in refrigeration
DKV Tagung 2004 (Bremen, Germany) – DKV Tagungsbericht 2004 - II.2.18.
- 30 S.M. van der Sluis
Review of calculation programs for supermarket DX refrigerating systems year-round energy consumption
IIR/IIF D1-subcommission “Refrigerated Display Cabinets”. Glasgow (UK) Meeting, August 31st, 2004, Gustav Lorentzen Conference 2004.
- 31 S.M. van der Sluis
Einsparungen in Supermärkten
Kälte Klima Aktuell 1/2005

- 32 S.M. van der Sluis
Windenergie opslaan in koel- en vrieshuizen (Storing Wind Energy in Cold Stores)
Verwarming en Ventilatie, Uneto VNI, VV+, p. 580 – 583 September 2006
- 33 S.M. van der Sluis
Windenergie opslaan in koel- en vrieshuizen (Storing wind energy in cold stores)
RCC Koude en Luchtbehandeling, year 100 nr6 (july 2007), p. 30-33
- 34 L. Lukasse, J. Broeze en S.M. van der Sluis
OPTIMAL DESIGN AND OPERATION OF COLD STORES USING SUSTAINABLE COOLING
International Congress of Refrigeration, ICR 2007, August 21-26, Beijing, P.R. China.
- 35 S.M. van der Sluis
Renewable Cooling Initiative van TNO, Koelen zonder energie
Verwarming en Ventilatie, Uneto VNI, VV+, September 2007
- 36 De wind invriezen (Freezing the Wind)
The Netherlands – Energizing the future
Ministry of Economic Affairs, publication number 07DC09 (December 2007), p. 50
- 37 S.M. van der Sluis
A partner Logistics facility as a giant battery
11th European Logistics Cold Chain Education program “Back to Basics”.IARW, International
Association for Cold storage Construction, Global Cold Chain Alliance, IRTA, WFLO. Mövenpick
Hotel Amsterdam (NI), 25-26 February 2008
- 38 S.M. van der Sluis
Storing Wind Energy in Refrigerated Warehouses, Night Wind
Energy Efficiency and Renewable Energy Sources, 4th International Congress for South Eastern
Europe, Sofia, Bulgaria, 7-10 april 2008.