

TERO EERIKÄINEN (271060-0718) CV 30.10. 2018

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Born the 27th of October 1960, married, 4 children



Education examples

Master of Science (Chem. eng.) 1986, HUT, Brewer's spent grain in high dietary fiber cereal products*
Licentiate in Technology 1989 HUT, Fuzzy modelling and control in HTST-extrusion cooking
Doctor of Technology 1993 HUT, Artificial intelligence in extrusion cooking process modelling and control**
Teacher course YOOP in 1999-2000 arranged at our University (partly).
International R&D project coordination course (Dipoli courses) 28.3.-24.5.1996, 153 hours, accepted with honours
Biological reaction engineering course 20.-25.9.1998, Braunwald, Switzerland.
Statistical design of experiments and optimization advanced course, 20.-22.10.1998, Software Point Ltd., Finland
Biocalculation course, 24.-25.2.2000, 14h, CSC, Tieteellinen laskenta Ltd., Finland
PhD-course at BioCentrum-DTU, 9.-11.7.2005, Systems Biology course, 2,5 ects, Lyngby, Denmark.

Awards

*Master of Science thesis was rewarded by Finnish Society of Food Science and Technology (ETS) with a student award and
**Doctor's thesis with a 25 years anniversary award as a best Doctor's thesis of year 1993 in food technology field
Helsinki University of Technology best course books award in 2003 (group Tero Eerikäinen, Matti Leisola, Niklas von Weymarn)

Managed research projects

Biotechnical production of L-fucose and fucose containing polymer 2000-2002 (TEKES Potra-program)
Process modelling and optimization of bacterial cultivations 2003-2006 (TEKES)
Control of biotechnical production processes 2007-2010 (TEKES Symbio-program)
SEWIBE biofuels from ABE-fermentation 2011-2013 (TEKES), scale-up.
FERMATRA fermentation mass transfer 2016-2019 (TEKES)

Teaching at the moment

CHEM-A1100 Teollisuuden toimintaympäristö ja prosessit (period I-II, Bioprocess engineering part lectures and exercises)
CHEM-E3130 Biolab II (responsible teacher, period II)
CHEM-A1310 Biotieteen perusteet (kinetics Matlab exercise, period IV)
CHEM- C2310 Bioprosessitekniikka I (responsible teacher, period IV-V)
CHEM-E3170 Systems biology (with Alexander Frey, period IV-V)
CHEM-E3205 Bioprocess optimization and simulation (responsible teacher, period I)

Work experience

1974-1980 City of Hyvinkää: surveying work every summer
1/1980 Alko Ltd, Rajamäki: trainee in the quality control laboratory
6-8/1981 Pohjansapot Ltd; carpentry and concrete reinforcement works
5-7/1982 Kotisaari Ltd, milk packing machine operator in a dairy
6-8/1983 S.W. Paasivaara Ltd, process operator in an edible oils refinery
5-8/1984 Research Centre of Finland, Food Laboratory, research trainee
9-12/1984 HUT, part-time teacher of food engineering
2-8/1985 Vaasamills Ltd (Helsinki and Kotka), experimental work for Ms.Sci thesis
9-12/1985 HUT, assistant of food engineering
1/1986-12/1988 HUT, research scientist (food engineering)
1/1989-5/1991 HUT, laboratory manager
6/1991-5/1992 Federal Centre for Cereal, Potato and Lipid Research, Detmold, Germany, research scientist
6/1992-10/1998 HUT, laboratory manager
11/1998-12/2002 HUT, senior assistant
1/2003... HUT/Aalto University, senior lecturer
5/2015...Aalto University, university teacher
8/2015...7/2016 Aalto University, research fellow (= taking care of bioprocess engineering professorship)
8/2016...Aalto University, University teacher

Confidential posts

HUT, Department of Chemical Engineering, chairman of the board of economical affairs 1/1995...1/1996
HUT, Department of Chemical Engineering, member of the department board 1/1993...12/1996
Finnish Chemical Society, Biotechnology section, member 1/2003...5/2005
Finnish Chemical Society, Biotechnology section, chairman 5/2005...5/2012
Industrial Biotechnology Forum, steering committee member, 1/2005...2006
HEBIOT (Helsinki Biotechnology study program) working committee member, 1/2005...2011
The School of Chemical Technology Academic Affairs Committee, member, 1/ 2014...
IBC Finland (Industrial Biotechnology Cluster Finland), steering board deputy member, 1/2014...5/2017

Hobbies

music, tennis, golf, scuba diving, orienteering, floorball, football, fishing, reading