

Curriculum Vitae – Lennart Salmén

Personal data

Name: Lennart Salmén
Tel: +46-08-6767340
E-mail: lennart.salmen@ri.se

Present position

Principal Scientist, Biorefinery and Energy, RISE/Bioeconomy

Academic qualifications:

Civ. ing. Chemical Engineering, KTH	1975
Tekn. Dr. Paper Technology, KTH	1982
Docent, Paper Technology, KTH	1987
Professor (adj.) Mechanical Pulping Mid Sweden University	2012

Previous positions

STFI, Dep. of Building Board, Researcher	Oct. 1975 – Nov. 1978
PAPRICAN, Montreal, Research Associate	Nov. 1978 – Nov. 1979
STFI, Dep. of Paper Technology, Researcher	Nov. 1979 – Dec. 1983
STFI, Dep. of Chemistry later Pulp, Research Manager, different groups “Fibre prop.” Mechanical pulping”	Jan. 1984 – Jan. 1994
STFI, Program coordinator, Mechanical Pulping	Jan. 1996 – Dec. 1999
	Jan. 2001 – Dec 2005
Innventia, Research Manager “Fibre & Material Science”	Jan. 1994 – April 2012
Innventia, Deputy director, Biorefining	Jan 2003- April 2016

Fellowship

Fellow of IAWS, International Academy of Wood Sciences	1996 -
Vice-president IAWS, International Academy of Wood Sciences	2008 -2011
President IAWS, International Academy of Wood Sciences	2011 – 2014

Supervision

Exam works	22 students
Licentiate and PhD	12 students

Competence evaluated as professor

Luleå University of technology “Trämaterialeknik”	1997
KTH, “Fiberteknologi”	2001
Karlstad University, “Pappersteknik med inriktning mot fiber- och pappersfysik”	2002
Mid-Sweden University, “Mekanisk massateknik”	2006

The research interests of Salmén has mainly been devoted to the understanding of the relationship between the properties of the wood polymeric constituents and the macroscopic physical properties of fibres, wood and paper materials exploring new and innovative techniques for enhancing the understanding. Studies of softening phenomena, cell wall properties, micro-mechanical modelling, water interaction, mechano-sorptive creep, dimensional stability, fatigue of wood and mechanical and chemi-mechanical pulping are among the areas of published work. Much of the work has been devoted to the interaction of the cellulosic material with moisture where especially Salmén's development of moisture induced dynamic FTIR has been shown to give new insights. In all these research areas Salmén has been the supervisor of a number of PhD students. Salmén is the author of more than 180 reviewed scientific papers in the field of fibre, wood and paper physics and the Editor of 5 books. In later years Salmén has been mostly active in the Biorefining area in upgrading the wood polymers for new products.