

## Anssi Käki

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I am analytic, enthusiastic and productive professional with background in consulting and research. The generic topics I feel passionate about include: Mathematical Decision Models, Decision Making under Uncertainty, Stochastic Optimization, Operations Management and Risk Management.

### PROFESSIONAL EXPERIENCE

**UPM Energy**, Helsinki, Finland

*Development Manager*

**October 2013 to present**

**Anssi Käki Consulting**, Helsinki, Finland

*Consultant (part-time)*

**April 2011 to present**

- Trainings and analysis projects in supply chain management, demand planning and forecasting, and risk management

**Aalto University**, Espoo, Finland

*Researcher (PhD)*

**April 2010 to October 2013**

- See "Education"

**ROCE Partners**, Helsinki, Finland

*Supply Chain Consultant*

**July 2007 to March 2010**

- Participation in client projects in the areas of supply chain assessment, supply chain process re-engineering and business process management
- Example client companies: a global electronics manufacturer, European wood product manufacturer and North-European technical wholesaler
- Data analyses (numerical and qualitative), roadmap planning, process mapping, application development, trainings internationally
- Participation in sales, internal trainings and internal R&D projects

### EDUCATION

**Graduate School in Systems Analysis, Decision Making and Risk Management**, Aalto University, Finland

*Ph.D., Systems and Operations Research* (expected : **January 2014**)

- Preliminary title: *Demand and supply uncertainties in decision models for supply management*
- Supervisor: Professor Ahti Salo
- Major/Minor: Operations Research/Industrial Management

*Lic. Tech., Systems and Operations Research*

**May 2012**

**System Analysis Laboratory**, Helsinki University of Technology, Finland

*M.Sc., Systems and Operations Research*

**August 2007**

- *Comparison of Forecasting Algorithms in Spare Part Demand Planning*
- Supervisor: Professor Ahti Salo
- Major/Minor: Operations Research (4.8/5) / Economics (4.5/5)
- Year 2005/06 at Technische Universität München

ACADEMIC  
EXPERIENCE

**Graduate School in Systems Analysis, Decision Making and Risk Management**, Aalto University, Finland

*Researcher*

**April 2010 to October 2013**

- Ph.D. research and course work
- Graduate school activities: seminars, presentations, intensive course coordination, Thesis advising
- Assistant in courses Risk Analysis, Seminar on Optimization, and Enterprise Risk Management
- Member of Production and Operations Management Society and Decision Sciences Institute
- Reviewer for *Decision Sciences*, *IEEE Trans. Eng. Manag.*, *EURO Journal on Decision Processes*, *Expert Systems With Applications*

**System Analysis Laboratory**, Helsinki University of Technology, Finland

*Instructor of Master's Thesis*

**April 2009 to October 2009**

- M.Sc. Jussi Airas: *Forecasting the Repair Demand for Consumer Electronics*

*Teaching Assistant*

**Autumn 2004, Autumn 2006**

- Assistant for Mat-2.090 Applied Probability (teaching, course material creation, assignment supervision)

ACADEMIC  
PUBLICATIONS

Käki, A. and Salo, A. (2010). Evaluating procurement strategies under uncertain demand and risk of component unavailability. *Operations Research Proceedings 2010*. Springer Verlag, Berlin, Heidelberg. pp. 441-446.

Käki, A. and Salo, A. (2011). Impacts of the Shape of the Demand Distribution on Procurement Risk Mitigation. *Proceedings of the 22nd Annual Production and Operations Management (POMS) Conference*.

Käki, A., Salo, A. and Talluri, S. (2013). Impact of the Shape of Demand Distribution in Decision Models for Operations Management. *Computers in Industry*, 64(7): 765–775.

Käki, A., Liesiö, J., Salo, A. and Talluri, S. (2013). Newsvendor Decisions under Supply Uncertainty. *Manuscript*, 33 pages.

Käki, A., Salo, A. and Talluri, S. (2013). Scenario-Based Modeling of Interdependent Demand and Supply Uncertainties. *IEEE Transactions on Engineering Management*, 60(X): XXX–XXX.

Käki, A., Salo, A. and Talluri, S. (2013). Disruptions in Supply Networks: a Probabilistic Risk Assessment Approach. *Manuscript*, 32 pages.

## SKILLS

### IT skills

Mathematical (Matlab, Mathematica, R, Forio Simulate)	Excellent
MS Office (Word, Excel, Access)	Excellent
Statistical (SPSS, SAS)	Good
Programming (Java, Visual Basic)	Good
Databases (Oracle 10g, SQL)	Good

### Language skills

Finnish	Native
English	Excellent
German	Good
Swedish	Good

### Teaching and presentation skills

*Academic:* lecturing, assignment creation, international seminar presentations, teacher of the year award 2013 (Systems Analysis Laboratory, Aalto University)

*Business:* planning and execution of various multi-day training sessions in a global business environment, extensive presentation experience

## REFERENCES

Ahti Salo  
Professor (Decision Analysis)  
Editor-in-Chief of EURO Journal on Decision Processes  
Vice Head of Department, Department of Mathematics and Systems Analysis  
Aalto University School of Science

Srinivas (Sri) Talluri  
Professor (Supply Chain Management)  
Eli Broad Graduate School of Management  
Michigan State University

Janne Salmi  
Founder  
ROCE Partners Oy