# CURRICULUM VITAE

## M.Sc. (Tech) Pasi Lehtimäki, Helsinki University of Technology
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- Date and place of birth: March 10, 1976 Kokkola, Finland

- Citizenship: Finnish

- Education:

  - Kiviniitty Upper Secondary School, Kokkola, Finland, student matriculation, May 1995
  - Helsinki University of Technology, Department of Computer Science and Engineering, Master of Science in Techonology, December 2002
    * Major: Telecommunications Management
    * Minor: Information Technology
  - Currently pursuing for the degree of Doctor of Technology
    * Major: Information Technology
    * 1. Minor: Applied Mathematics
    * 2. Minor: Control Engineering

- Languages: 1. Finnish, 2. English, 3. Swedish 4. German

- Family status: cohabitation without marriage

- Areas of scientific interest:

  - machine learning, soft computing, data analysis, data mining, telecommunications

- Employment:

  - 1998 – 1999, Trainee, Nokia Networks
  - 2001 – 2002, Research Assistant, Helsinki University of Technology
  - 2002, Course Assistant, Digital Signal Processing
  - 2002, Course Assistant, Special Course in Information Science III (Time in Self-Organizing Maps)
  - 2003, Instructor of Summer Trainee
  - 2003 –       Researcher, Helsinki University of Technology

- Publications:

  1. Pasi Lehtimäki. *Self-Organizing Operator Maps in Complex System Analysis.* Master's Thesis, Helsinki University of Technology, 2002

2. Pasi Lehtimäki, Kimmo Raivio, and Olli Simula. *Mobile Radio Access Network Monitoring Using the Self-Organizing Map.* In Proceedings of the European Symposium on Artificial Neural Networks (ESANN), pages 231-236, Bruges, April 24-26, 2002.

3. Pasi Lehtimäki, Kimmo Raivio, and Olli Simula. *Self-Organizing Operator Maps in Complex System Analysis.* In Proceedings of the Joint 13th International Conference on Artificial Neural Networks and 10th International Conference on Neural Information Processing, pages 622-629, Istanbul, Turkey, June 26-29, 2003.

4. Pasi Lehtimäki, and Kimmo Raivio. *A SOM Based Approach for Visualization of GSM Network Performance Data.* In Proceedings of The 18th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, pages 588 - 598, Bari, Italy, June 22-25, 2005.

5. Pasi Lehtimäki, and Kimmo Raivio. *A Knowledge-Based Model for Analyzing GSM Network Performance.* In Proceedings of The 6th International Symposium on Intelligent Data Analysis, pages 204 - 215, Madrid, Spain, September 8-10, 2005.

6. Jaana Laiho, Kimmo Raivio, Pasi Lehtimäki, Kimmo Hätönen, and Olli Simula. *Advanced Analysis Methods for 3G Cellular Networks.* Tech. Rep. A65, Helsinki University of Technology, Laboratory of Computer and Information Science, 2002.

7. Kimmo Raivio, Olli Simula, Jaana Laiho, and Pasi Lehtimäki. *Analysis of Mobile Radio Access Network Using the Self-Organizing Map.* In Proceedings of the International Symposium on Integrated Network Management, pages 439-451, Colorado Springs, Colorado, US, March 24-28, 2003.

8. Mikko Kylväjä, Kimmo Hätönen, Pekka Kumpulainen, Jaana Laiho, Pasi Lehtimäki, Kimmo Raivio, and Pekko Vehviläinen. *Trial Report on Self-Organizing Map based Analysis Tool for Radio Networks.* Proceedings of the IEEE Semiannual Vehicular Technology Conference, Milano, Italia, May 17-19, 2004.

9. Jaana Laiho, Kimmo Raivio, Pasi Lehtimäki, Kimmo Hätönen, and Olli Simula. *Advanced Analysis Methods for 3G Cellular Networks.* IEEE Transactions on Wireless Communications, Vol. 4, No. 3, pages 930-942, May 2005.

10. Mikko Multanen, Kimmo Raivio, and Pasi Lehtimäki. *Hierarchical Analysis of GSM Network Performance Data.* In Proceedings of the European Symposium on Artificial Neural Networks (ESANN), Bruges, April 26-28, 2006 (to appear).

- Acted as a reviewer for:
  - International Journal of Neural Systems (IJNS)
  - Workshop on Self-Organizing Maps 2003 (WSOM'03)
  - European Conference on Artificial Intelligence 2004 (ECAI 2004)
  - International Conference on Artificial Neural Networks (ICANN 2005)