

CURRICULUM VITAE OF DR MAIJA AKSELA, UNIVERSITY OF HELSINKI, FINLAND

1. MOTTO

Together we are more!

2. RESEARCH

-Director of research group with 12 members (a university lecturer and doctoral students).
-11 of her doctoral students have finished Ph.D. degree.

-Publications: altogether 340 publications (Feb 2018):
<https://tuhat.halvi.helsinki.fi/portal/en/persons/maiija-aksela%28226699b4-458f-4e50-8ccc-5106726860df%29/publications.html>

-Research interests:

-science education (non-formal learning in LUMA (math, science and technology activities),
-chemistry education (e.g. education for sustainable development, modern technology, inquiry and integrated education)
-teacher education and teachers' professional development

3. CURRENT POSITIONS

-Jan 2014- Director of the LUMA Centre Finland (math, science and technology education)

-Dec 2008- Professor, Research Director, The Unit of Chemistry Teacher Education, University of Helsinki, Department of Chemistry

-Sep 2017- Vice Director, Math, physics and chemistry teacher education B.Sc. program, University of Helsinki, Faculty of Science

-Jan 2017- Director of the Science Education Centre at University of Helsinki

-Sep 2008- Director of ChemistryLab Gadolin, University of Helsinki, Department of Chemistry

4. EDUCATION AND DEGREES

-Nov 2005. Ph.D., Chemistry: Chemistry Education, University of Helsinki, Department of Chemistry

-1995-1999. Education studies, University of Helsinki, Department of Applied Sciences of Education (59 credit units, ov, sivulaudatur in Finnish)

-Jan 1990. Phil. Lic, Organic Chemistry, University of Oulu, Department of Chemistry, Finland

-Oct 1986. M.Sc., Chemistry: Chemistry Teacher Education Program, University of Oulu, Department of Chemistry, Finland (*competence to teach chemistry in high school and in adult education; in addition studied math, physics and computing science)

-Spring -fall 2017. Mentoring program for directing skills

5. PREVIOUS PROFESSIONAL APPOINTMENTS

- Jan 2010- Dec 2016 Director of the LUMA Centre of University of Helsinki, Faculty of Science

-2004-2016. Director of the National Chemistry Education Centre, Kemma, University of Helsinki, Department of Chemistry

-Jan 2014-Dec 2009. Coordinator, LUMA Centre, University of Helsinki

-Aug 2001-Nov 2008. Senior Lecturer, Chemistry Teacher Education Unit, University of Helsinki, Department of Chemistry

-Aug 1999-Jul 2001. Research Fellow, Centre for Research and Development in Pedagogy of Mathematical Sciences, Department of Teacher Education, University of Helsinki, Finland (Research grant from Neste Oy Foundation)

-Aug 1997-Jul 1999. Lecturer in Chemistry and Physics Didactics, Department of Teacher Education, University of Helsinki, Finland

-Aug 1988-Jul 1991. Visiting Research Fellow, Simon Fraser University, Dept. of Chemistry, B.C., Canada (Grants from Finnish Culture Foundation, Neste Oy Foundation, and Kemira Oy Foundation)

-Since 1997- In-Service Trainer for Chemistry Teachers and Elementary Teachers, University of Helsinki, Finland

6. SOME CONFIDENTIAL POSTS

-2014-. The director of LUMA (math, science and technology education) Finland programme funded by Ministry of Education, Finland (37 projects; 5 million euros)

-2010-. Finland's representative of the ALLEA (ALL European Academies) working group and core group on Science Education.

-2010-2013. Finland's representative of Thematic working group on math, science and technology, European Commission

-2016- Director of international and national StarT LUMA -project and a chair of International Awards jury (<http://www.start.luma.fi>)

-2015-. The chair of LUMA (math, science and technology education) teacher education forum in Finland

-2015- . Member of national working group on the quality of math and science teacher education in Finland

-2014-2015. Member of the national curriculum group, National Board of Education, Finland

-2015-. Member of the Board of URSA Astronomical Association

-2009-2018. Member of the Board of Directors, Research Foundation of the University of Helsinki (Helsingin yliopiston Tiedesäätiön hallitus)

-2010-2013. The Chair of National LUMA (math, science and technology) Advisory board (Kansallinen LUMA-neuvottelukunta)

-2013-. Editor-in-chief LUMAT- LUMAT: Research and Practice in Math, Science and Technology Education

-2010-2016. Member of the Studia Generalia Advisory Board (Studia Generalia –toiminnan tieteellinen ohjausryhmä),

-2013- Chair of the scientific board group of the LUMAT

-2010-15 Chair of the Steering Group of the Millennium Youth Camp and the operational director of the Camp (<http://www.helsinki.fi/luma/english/millennium-youth-camp>)

7. SOME HONOURS AND ACKNOWLEDGEMENTS

Altogether 14 honours and awards, for example:

-2013. Founding member of Teachers' Academy, University of Helsinki (see: http://www.helsinki.fi/opettajienakatemia/eng/academy_members.html)

-2012. 1st University in Society Award for Finland's Science Education Centre, LUMA (the Director of the Centre; see: <http://www.helsinki.fi/luma/english/award-impact>)

-2011. A member of Finnish Academy of Technology (TTA)

-2010. J. V. Snellman Prize, University of Helsinki (LUMA Centre)

-2009. The State Award for Public Information (three webmagazines, Jippo, Luova and Kreativ)

-2005. 1st Scientist of Year. The Finnish Union of Experts in Science.

-1995. Teacher of Year in Mathematics and Science. The Finnish Association of Teachers of Mathematics, Physics, Chemistry and ICT (First time award was given to a chemistry teacher at senior high school in Finland)

see all in details:

<https://tuhat.halvi.helsinki.fi/portal/fi/activities/searchall.html?searchall=Maija%20Aksela>

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