Personal details :

Mikko Johannes Salo
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Degrees :

Docent in applied mathematics, Univ. of Helsinki / Oulu	2007 / 2007
Ph. D. in applied mathematics, Univ. of Helsinki	2004
Ph. Lic. / M. Sc. in mathematics, Univ. of Oulu	2003 / 2001

Current employment and selected professional experience :

Professor of mathematics, Univ. of Jyväskylä	2013-
Academy research fellow, Univ. of Helsinki / Jyväskylä	2008-2013
(five-year research position granted by the Academy of Finland)	
Postdoctoral researcher, Univ. of Helsinki (funded by Acad. of Finland)	2005-2008
Researcher and teaching assistant, Oulu / Helsinki / Washington	1999-2005

Selected awards and honours :

Member of the Finnish Academy of Science and Letters	2019
European Research Council (ERC) consolidator grant	2017
Väisälä prize of the Finnish Academy of Science and Letters	2014
Calderón prize of the Inverse Problems International Association	2013
MediaV young researcher prize awarded at ICIP 2012, Nanjing	2012
European Research Council (ERC) starting grant	2012
Academy of Finland prize for scientific courage	2011
Member of Club for Young Scientists, Finnish Acad. Science and Letters	2009-2010
(representative for mathematics in a multidisciplinary panel)	
Rolf Nevanlinna award for doctoral thesis	2004
Pertti Lindfors prize of the Finnish Inverse Problems Society	2004

Selected research funding and grants :

FAME Flagship / Jyväskylä	2024-2031
European Research Council (ERC) consolidator grant	2018-2023
European Research Council (ERC) starting grant	2012-2017
Centre of Excellence in Inverse Problems Research / Jyväskylä	2012-2025
Academy research fellow position and grant, Academy of Finland	2008-2013
Grant for postdoctoral researcher, Academy of Finland	2005-2008

Professional long-term visits (1 month or longer) :

Isaac Newton Institute, Cambridge (programs in 2023, 2011), Institut Mittag-Leffler, Stockholm (programs in 2022, 2013), MSRI, Berkeley (programs in 2019, 2010, 2005), Institut Henri Poincaré, Paris (program in 2015), Fields Institute, Toronto (program in 2012), University of Chicago (visiting scholar in 2011), University of Washington (visiting researcher in 2009, 2006, 2005, 2002)

Selected invited plenary conference presentations :

International conference on inverse problems, Shanghai, China	2024
Conference on new tomographic methods, Cambridge, UK	2023
Nordic congress of mathematicians, Espoo, Finland	2022
Recent developments in microlocal analysis, MSRI, Berkeley	2019
Inverse problems, imaging and PDE, Hong Kong, China	2018
Journées EDP, Roscoff, France	2017
Conference in harmonic analysis and PDE, El Escorial, Spain	2016
Conference in honor of Carlos Kenig's 60th birthday, Chicago, USA	2014
Applied inverse problems, Daejeon, Korea	2013
Conference in honor of Gunther Uhlmann's 60th birthday, Irvine, USA	2012
Function spaces, diff. op. and nonlin. anal. (FSDONA), Tabarz, Germany	2011
Inverse problems in analysis and geometry, Cambridge, UK	2011

Selected invited colloquium and seminar presentations :

Fudan/Tsinghua microlocal seminar	2023
ETH Zürich applied mathematics colloquium	2021
UC Santa Barbara colloquium / UC Santa Cruz colloquium	2019 / 2019
Université Paris-Sud, Paris, France	2018
University of Helsinki colloquium	2017 / 2020
Oxford University PDE seminar / UCL inverse problems seminar	2016 / 2016
Stockholm Mathematical Colloquium, Stockholm, Sweden	2014
Differential geometry & topology seminar, Cambridge, UK	2012
PDE seminar, Stanford / Calderón-Zygmund analysis seminar, Chicago	2009 / 2008

Selected invited intensive courses :

Analysis Autumn school, Chinese Academy of Sciences (online, 8 lectures)	2023
Séminaire de Mathématiques Supérieures, CRM, Montreal (online, 6 lectures)	2021
DTU winter school in inverse problems, Denmark (online, 6 lectures)	2021
Fudan summer school in microlocal analysis, Shanghai, China (6 lectures)	2019
Institut Henri Poincaré inverse problems program, Paris, France (10 / 4 lectures)	2015 / 2014
CIRM preschool for IHP program, Marseille, France (6 lectures)	2015
Fields Institute program on inverse problems, Toronto, Canada (4 lectures)	2012
Trimester on inverse problems, UAM, Madrid, Spain (8 / 4 lectures)	2011 / 2007
CIMPA summer school, Santiago, Chile (with L. Päivärinta, 6 lectures)	2010
MSRI graduate workshop, Berkeley, USA (with L. Päivärinta, 6 lectures)	2009

Research output :

89 articles in refereed international journals, 1 monograph, 5 book chapters, 13 proceedings articles
Citations: 2223 (WoS), 5147 (Google Scholar), 2075 (MathSciNet)
H-index: 28 (WoS), 39 (Google Scholar)
Complete list of publications available at http://users.jyu.fi/~salomi/pub/

Research supervision experience :

Advisor for seven PhD students in 2014-2024
     (Joonas Ilmavirta, PhD 2014, received the International Stefan Banach Dissertation Prize)
Mentor for 15 postdoctoral researchers

Teaching merits :

University of Jyväskylä : instructor for 10+ lecture courses and seminars
University of Helsinki : instructor for three lecture courses and two seminars
University of Oulu / Helsinki / Washington : teaching assistant for several courses

I have completed University pedagogical studies (10 credit points) in Jyväskylä in 2003.
The following lecture notes are available on my webpage, and in particular the notes on the
Calderón problem have been used as teaching material for courses around the world :

Inverse problems for elliptic PDE (Beijing)	2023
On geometric inverse problems and microlocal analysis (Copenhagen / Montreal)	2021
Applications of microlocal analysis to inverse problems (Helsinki / Shanghai)	2019
Inverse problems on Riemannian manifolds (Helsinki)	2010
Calderón problem (Helsinki)	2008

Selected professional service and societal activities :

Managing Editor for the journal Inverse Problems and Imaging	2012-
Editor for Journal de l'École Polytechnique	2024-
Editor for SIAM Journal on Mathematical Analysis	2023-
Editor for the journal Annales Mathematici Fennici	2019-
Editor for the journal Mathematica Scandinavica	2017-2022
Member of board, Finnish Mathematical Society	2024-
Member of board, Centre of Excellence in Inverse Problems Research	2012-
Member of board, Finnish Inverse Problems Society	2012-2023
Organizer of 10+ conferences and special sessions	2012-
Evaluator of professorships and grants in 10+ countries	
Examiner/opponent for 10+ PhD theses	
Referee for 40+ journals including Acta Mathematica, Annals of Mathematics, Inventiones Mathematicae, Journal of American Mathematical Society	
Radio interviews (Yle Radio Keski-Suomi, Ylen Tiedeykkönen)	2018 / 2017
Newspaper interviews (Helsingin Sanomat, Keskisuomalainen, Tiede)	2015 / 2005