

Curriculum vitae

Juha-Matti Huusko
Post-doctoral Researcher,
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Research interest:

- complex analysis
- differential equations
- operator theory
- univalent functions
- harmonic mappings
- different languages



Webpage (contains publications and other materials): <http://integraali.com/huusko/>

Career objective: to work as a post-doctoral researcher outside of Finland,
currently searching for possible locations and funding

1. Full name and date

- Huusko, Juha-Matti Aleksanteri
- Gender: male
- This document was written 18.9.2017

2. Date and place of birth, nationality, current residence

- Born: 20.04.1987 in Kuhmo, Finland
- Nationality: Finnish
- Current residence: Yliopistokatu 7, 80100 Joensuu, Finland

3. Education and degrees awarded

- PhD, University of Eastern Finland, mathematics, 6/2017
- MSc, University of Eastern Finland, teacher of mathematics and physics, 9/2013

4. Other education and training, qualifications and skills

- BC driving licence (European, vehicles less than 12 tonnes)
- Good knowledge in mathematical computer softwares: GeoGebra, Latex, Matlab

5. Linguistic skills

- Finnish – mother tongue
- English – fluent
- Swedish – mediocre
- Bengali – mediocre
- German – basics

6. Current position

- Post-doctoral researcher, University of Eastern Finland, 7/2017 – 9/2017

7. Previous work experience

- Early stage researcher, University of Eastern Finland, 10/2013 – 6/2017 (Full time doctoral student, teaching 80 hours per year, funding: UEF doctoral school.)

8. Research funding as well as leadership and supervision

- Funded by the doctoral school of UEF 10/2013 – 6/2017
- Travel grant, 1000€, Oskar Öflunds Stiftelse, CMFT-2017 participation

9. Merits in teaching and pedagogical competence

- Pedagogical training: qualified teacher of mathematics and physics
- Supervision and grading of bachelors theses
- Teaching, for example, the following courses: topology, complex analysis, Fourier analysis, numerical analysis
- Typesetting various course materials (for example, 120 pages of course notes of univalent functions, 64 pages of exercise solutions of Fourier analysis)

10. Other academic merits

- Referee for J. Math. Anal. Appl.

11. International experience

- Conferences in Joensuu: 2012, 2014, 2015 (poster), 2016
- Mathematics research seminar, Joensuu, 2013-2017 (5 talks)
- Normal families, Würzburg, 5/2015 (poster)
- Indian Statistical Institute, Chennai Centre, 2/2016 (informal visit)
- CMFT-2017, Lublin, 7/2017 (talk)
- Analysis Near the Pole, Svalbard, 8/2017 (talk)
- Chinese-Finnish workshop in complex analysis, Beijing, 8/2017 (talk)

12. List of publications; scientific and societal impact of research

- J.-M. Huusko, Localisation of linear differential equations in the unit disc by a conformal map, Bull. Aust. Math. Soc. 93 (2016), no. 2, 260 – 271.
- J.-M. Huusko, T. Korhonen, A. Reijonen, Linear differential equations with solutions in the growthspace $\mathcal{H}(\omega^\infty)$, Ann. Acad. Sci. Fenn. Math. 41 (2016), no. 1, 399 – 416.
- J. Gröhn, J.-M. Huusko, J. Rättyä, Linear differential equations with slowly growing solutions, to appear in Trans. Amer. Math. Soc. <https://arxiv.org/abs/1609.01852>
- J.-M. Huusko, M. Martín, Criteria for bounded valence of harmonic mappings, Comput. Methods Funct. Theory (2017).
- J.-M. Huusko, Methods for complex ODEs based on localization, integration and operator theory, Publications of the University of Eastern Finland. Dissertations in Forestry and Natural Sciences., no 268.
- J.-M. Huusko, T. Vesikko, On Becker's univalence criterion, to appear in J. Math. Anal. Appl. <https://arxiv.org/abs/1705.05738>

13. Other merits

- Singing in Tamil to 60 000 people, invited guest in Ilaiyaraaja 1000 event, 2/2016, Chennai, India, <https://vimeo.com/197254363>
- YouTube-video in Tamil with 47 000 viewers: <https://www.youtube.com/watch?v=mGBEJn-7KCU>
- Bengali learning website: <https://imgur.com/a/cCMCq>
- Most beautiful student apartment in Finland competition 2017 winner (99€ gift card and 499,90€ GoPro camera): <https://www.youtube.com/watch?v=v4MS5L0ynAg>