Juha-Matti Huusko
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Curriculum vitae

1. Full name and date
    - Huusko, Juha-Matti Aleksanteri
    - ORCID: https://orcid.org/0000-0001-8389-6436
    - gender: man
    - This document has been made 17.6.2022.
2. Date and place of birth, nationality, current residence
    - born: 20.04.1987, Kuhmo, Finland
    - nationality: Finnish
    - current residence: Yliopistokatu 7, 80100 Joensuu
3. Education and degrees awarded (certificates, transcript of credits)
    - PhD, University of Eastern Finland, mathematics, 6/2017
    - MSc, University of Eastern Finland, *teacher of mathematics and physics*, 9/2013
    - BSc, University of Eastern Finland, 2/2011
4. Other education and training, qualifications, and skills
    - BC driving license, European
    - Excellent IT skills
        1. general programming: MATLAB
        2. webpages: HTML, CSS, Javascript, PHP, Wordpress
        3. typesetting: LaTeX, MathJax, self-made MathJax-editor
        4. visualizations: JSXGraph, TikZ, Three.js (webpage)
5. Linguistic skills
    - Finnish - native
    - English - excellent
    - Swedish - mediocre
    - Bengali - mediocre
    - German – basics
6. Current position
    - university teacher, University of Eastern Finland, 6/2022-6/2023 (UpTech, developing engineering studies)
7. Previous work experience
    - university teacher, University of Eastern Finland, 6/2021-5/2022 (online course materials)
    - hourly paid teacher, University of Eastern Finland, 9/2020-5/2021
    - university teacher, University of Eastern Finland, 8/2019 – 7/2020 (online course materials)
    - postdoctoral researcher, University of Eastern Finland, 12/2018 - 7/2019
    - IT support person, University of Eastern Finland, 2/2018 – 12/2018
    - postdoctoral researcher, University of Eastern Finland, 7 - 9/2017
    - 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
    - second supervisor of one doctoral student 9/2021 –
    - travel grant, 2500€, Väisälä, 2019
    - University of Eastern Finland, doctoral school funding 10/2013-6/2017
    - travel grant, 1000€, Oskar Öflunds Stiftelse, CMFT-2017 participation
    -

9. List of publications

- Pesonen, H.A., J.-M. Huusko, X. Zang, A.T. Friberg, J. Turunen and T. Setälä, Partial spectral and temporal coherence of plane-wave pulse trains in second-harmonic generation, J. Opt. (2021).
- Hu, G., J.-M. Huusko, J. Long, Y. Sun, Linear differential equations with solutions lying in weighted Fock spaces, Comp. Var. Ell. Eq., Volume 66, 2021.
- Pesonen, H., A. Halder, J.-M. Huusko, A.T. Friberg, T. Setälä and J. Turunen, Spatial coherence effects in secondharmonic generation of scalar light fields, Journal of Optics, Volume 23, Number 3.
- Huusko, J.-M., T. Vesikko, On Becker's univalence criterion, Journal of Mathematical Analysis and Applications, 458 (1), 781-794.
- Huusko, J.-M., Methods for complex ODEs based on localization, integration and operator theory, Publications of the University of Eastern Finland. Dissertations in Forestry and Natural Sciences, 268 (2017).
- Gröhn, J., J-M. Huusko, J. Rättyä, Linear differential equations with slowly growing solutions, Trans. Amer. Math. Soc. 370 (2018), 7201-7227.
- Huusko, J.-M. and M. Martin, Criteria for bounded valence of harmonic mappings, Comput. Methods Funct. Theory (2017).
- Huusko, J.-M., T. Korhonen, A. Reijonen, Linear Differential Equations with Solutions in the Growth Space, Ann. Acad. Sci. Fenn. Math. 41 (2016), no. 1, 399 – 416.
- Huusko, J.-M., Localisation of Linear Differential Equations in the Unit Disc by a Conformal Map, Bull. Aust. Math. Soc. 93 (2016), 260–271.

10. Merits in teaching and pedagogical competence
    - pedagogical studies, teacher of mathematics and physics
    - supervision and evaluation of bachelors' thesis
    - lectures and exercises, 33 ECTS in total: Introduction to Topology, Algebra a, Euclidean geometry, Measure and Integration Theory a, Basic Course in Fourier Analysis, Differential Calculus in Several Variables
    - exercises, 36 ECTS in total: Analysis III, Numerical Analysis, Topology, Complex Analysis a, Introduction to Mathematics and Primitive Analysis
    - creating online courses: Integral calculus (4 ECTS), Basics of Mathematics (5 ECTS, 80%), Linear Algebra a and b (9 ECTS), Basics of Numerical Calculations (3 ECTS), Data and Error Analysis in Natural Sciences (3 ECTS).
    - typesetting of course materials for many courses (e.g. introduction to univalent functions, 120 pages, solutions to exercises in Fourier analysis, 64 pages)
11. Other academic merits
    - Editor-in-chief, Metodologia, a peer-reviewed international journal of methodology, currently rated JUFO1, 2020-
    - Editor-in-chief, UEFDSA newspaper, 2019-
    - Mathematical reviews -reviewer
    - referee for the journal J. Math. Anal. Appl.
    - student tutor (2008, 2009, 2010), speech to new students in mathematics and physics (2015, 2016, 2017)
    - university representation for high school students in Abitour and Abidays
    - working in SciFest science festival (2011, 2012, 2013, 2018)
12. International experience
    - conferences in Joensuu: 2012, 2014, 2015 (poster), 2016, 2018 (poster)
    - mathematics research seminar in Joensuu, 2013-2+17 (5 talks)
    - Normal families, Würzburg, 5/2015 (poster)
    - Indian Statistical Institute, Chennai Centre (informal visit)

- CMFT-2017, Lublin, 7/2017 (talk)
- Analysis Near the Pole, Svalbard, 8/2018 (talk)
- Chinese-Finnish workshop in complex analysis, Beijing, 8/2017 (talk)
- New Developments in Complex Analysis and Function Theory, Heraclion 7/2018 (poster)
- International JSXGraph Conference 5.-7.10.2021 (talk)
- Finnish Mathematical Days 2022 (talk)

Academic recommendations

Risto Korhonen, professor (current supervisor)
Department of Physics and Mathematics, University of Eastern Finland, Joensuu
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Janne Gröhn, university lecturer (leader of current project)
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