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## Cover letter

Dear Dean of School of Science,

I wish to apply for the

*Lecturer position in Mathematics, in Department of Mathematics and Systems Analysis, in Aalto University.*

I believe my experience in teaching, research, and online teaching make me a possible candidate. Namely

- **I have a pedagogical qualification and a vast teaching experience.** I have lectured courses spanning 38 ECTS and supervised exercises spanning 36 ECTS. Topics include: Algebra, analysis (complex, Fourier, introduction, numerical), calculus, Euclidean geometry, Introduction to mathematics, Measure and integration theory, and Topology.
- **My dissertation** gives sufficient conditions for solutions of complex ODEs to reside in certain function spaces, to have exponential growth, or to have zero sequences satisfying a geometric property. Moreover, I have studied univalence criteria for analytic and harmonic functions; and I am a second supervisor of one PhD student in Nevanlinna theory.
- **I have made online courses for two years.** I have prepared theory texts (with LaTeX & MathJax), visualizations (with TikZ & JSXGraph & Three.js), exercises (with STACK, CodeRunner, custom), and videos (via tablet, slideshows, and Matlab).
- I also actively participate in international workshops, mentor PhD students, and edit scientific journals such as Metodologia (editor-in-chief).

I further demonstrate these qualities in the attached documents.

Yours sincerely,  
Juha-Matti Huusko