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Free-form application, Summer jobs at the Dept. of Mathematics and Systems Analysis

Briefly about me. I am a teacher in mathematics and physics, and I have a PhD in mathematics. I have been making online materials in mathematics for two years.

My interest for the job. In the announcement, it is mentioned that also students doing their Bachelor's degree can apply. Even though I already have a PhD, I am interested about the job. It is possible to work hard for three months and to familiarize with a research group and get connected with Aalto university.

1) Preferred topics for the summer internship.

I have a strong background in complex analysis, differential equations, linear algebra and making visualizations with JSXGraph. Hence, I find the following topics interesting, in this order.

- 4. Mathematical analysis and PDEs
- 2. Topics in coding theory and course material development (kurssimateriaalin kehittäminen)
- 8. Quadrature design
- 9. Randomised linear algebra
- 11. Mathematical physics

2) Description of previous (summer) employment at the department.

I have not worked in Aalto university before.

3) Start and end dates of the internship.

My current work contract ends on 31.5.2022. However, my holiday from the job starts already on 1.5.2022.

Perhaps working for 3 months starting from 1.6.2022 would be reasonable choice.

Appendices.

Please find attached my CV, list of publications, and my transcript, which I printed from my home page.