

CV – HÅKON EIDSVÅG

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Born 20.09.1991

KEY QUALIFICATIONS

- Physicist, now doing a PhD on renewable production of hydrogen.
- Currently using numerical models to investigate properties of nanomaterials.
- Master in energy- and nanotechnology.
- Large network within academy and industry due to conferences, EVU work, meetings, and the nature of my work.
- Taught and developed a new EVU course in hydrogen at HVL
- Familiar with Python as a post-processing tool.
- I contributed to the HyValue and HyKap applications on HVL's side.

WORK EXPERIENCE

2017 – now PhD candidate at Høgskulen på Vestlandet

I am working on simulations and modelling of nanomaterials for green hydrogen production. Three published articles on the subject, with two more on the way

August 2017 – now

2021 – 2021 Høgskolelektor and course developer at Høgskulen på Vestlandet

I was part of the development of HVLs first EVU courses in hydrogen. In the spring and autumn of 2021, I taught and developed one of these courses on my own.

January - December

2016 - 2017 Teacher at Metis

August 2016 – June 2017

2015 - 2017 Private teacher at Metis Bemanning.

August 2015 – June 2017

EDUCATION

15.08.2016 - University of Bergen (UiB)

06.06.2017 Post studies in economy, statistics, chemistry, numerical models

11.08.2014- University of Bergen (UiB)

01.06.2016 Master in Energy technology

“A Solar Absorber Based On Metal Nanoparticles”

- 30.01.2010 - University of Sheffield (UoS)**
08.06.2013 Bachelor's in physics. One semester abroad as an Erasmus student
- 15.08.2010 - University of Bergen (UiB)**
08.06.2013 Bachelor's in physics

ARTICLES

"Light absorption and scattering of 40–170 nm gold nanoparticles on glass substrates" Ranveig Flatabø, V.R.A. Holm, H. Eidsvåg, B. Holst, M.M. Greve, Journal of Vacuum Science & Technology B 35, 06G403 (2017)

"Bandgap engineering in CsSnxPb (1- x) I3 and their influence on light absorption" Håkon Eidsvåg, M. Rasukkannu, P. Vajeeston, D. Velauthapillai, Materials Letters 218, 253-256

"TiO2 as a photocatalyst for water splitting—An experimental and theoretical review", Håkon Eidsvåg, S. Bentouba, P. Vajeeston, S. Yohi, D. Velauthapillai, Molecules 26 (6), 1687

"In-depth first-principle study on novel MoS₂ polymorphs", Håkon Eidsvåg, M. Rasukkannu, D. Velauthapillai, P. Vajeeston, RSC Advances 11 (6), 3759-3769

LANGUAGES

- English** Excellent oral and very good written.
- Norwegian** First language
- German** Basic knowledge

ORGANIZATIONS/VOLUNTEER WORK

- 2018 – 2022** Member of FI (Forskning og innovasjons) utvalget at FIN, HVL
- Autumn** Member of the mathematical student council at UiB
- 2011-Spring 2012**
- 2012-2014** Deputy member in the board to Misjonsforbundets Speiderkorps (MSK)
- 2012-now** Leader at courses held yearly by Misjonsforbundets Speiderkorps.

OTHER

- Hobbies** Football, skiing, hiking, scouts, exercise (running and weightlifting) and computers (gaming and programming)
- FGP 2021** I was a part of Forsker Grand Prix 2021. It is a competition where PhDs gets 4 minutes to present their research to the public in fun and understandable way. The process involves extensive training in presentation skills, how to behave on a stage, manuscript writing etc. from professional coaches.
- References** Can be provided on request.