

Federico Zenith

Control of Fuel Cells, 2002–2007

SINTEF Applied Cybernetics

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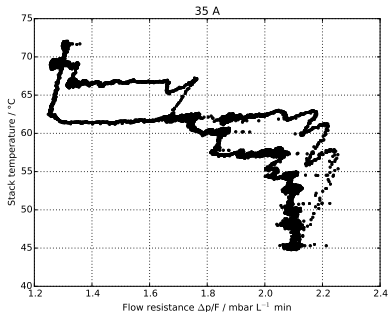
After the PhD I went on to...

- C++ programmer at Petrell AS (2006–2008)
- Post Doc. at Magdeburg Max Planck Institute (2008–2010)
 - Dynamics and control of DMFCs
 - Small fuel cells for portable power
- Back in Trondheim at SINTEF Applied Cybernetics (2010–2015)
 - Still working on fuel cell control!
 - Other fuel cell projects (forklifts, trains, ...)
 - Also: testing of oil and gas wells (SmartX)
 - Currently I'm a Senior Scientist

Representative Project: SAPPHIRE



- I coordinate an EU project!
- I currently have a 100 % success ratio in EU proposals (1/1)
- Controlling fuel cells to maximise lifetime
- Integration with prognostics (new field!)



Cell diagnostics: low resistance means trouble