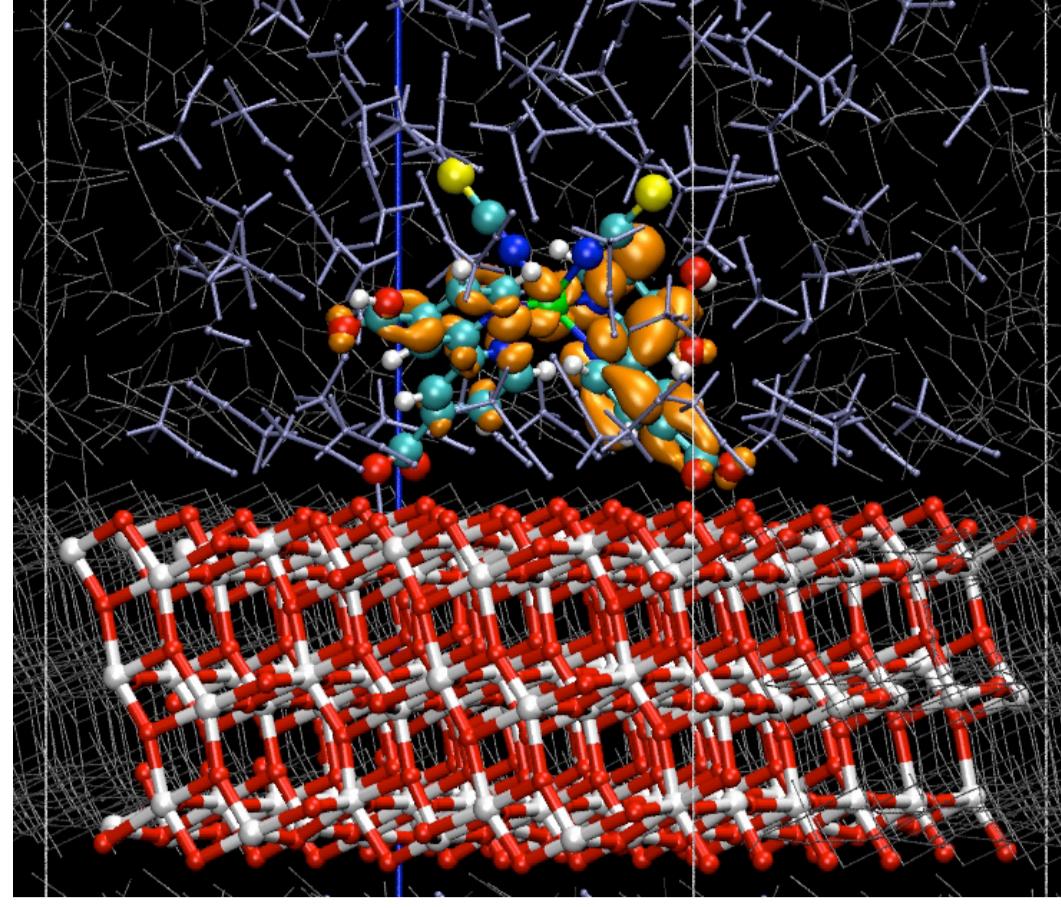
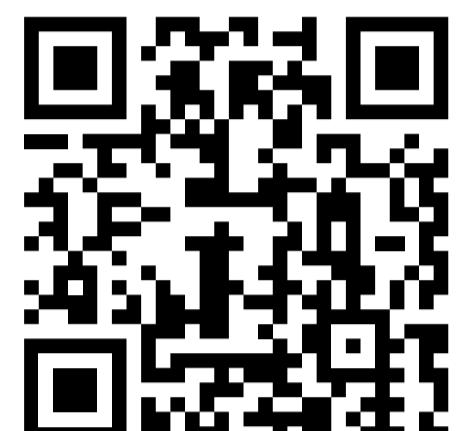


High Performance Computing



- CP2K: Materials Science on 10,000s of CPU cores (image J. VandeVondele, Dye-Sensitised Solar Cell)

- Focus on users - UK academics and Scottish SMEs
- Scientific application optimisation on multicore HPC systems
- Training and outreach
- EU collaborative research



Goals for the HW Crucible

I believe science should...

- Inform
- Inspire
- Impact



If you agree I'd love to speak with you!

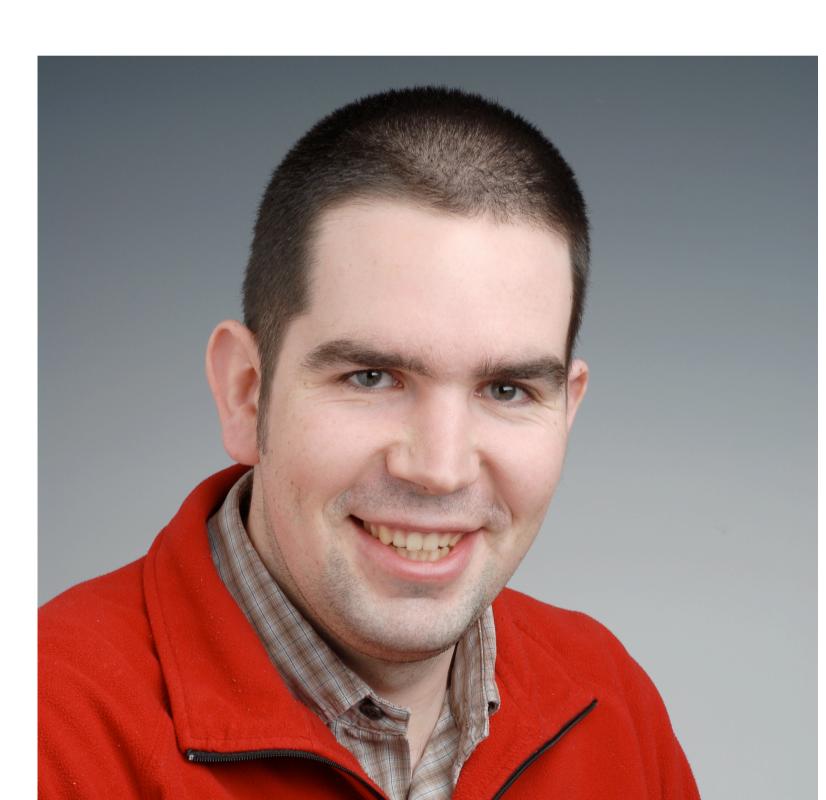
Distributed Computing



- Developer for PrimeGrid, world's largest volunteer computing project
- 2 PFLOP/s (two million, billion operations per second) of computing power finding large prime numbers
- Maintainer of Mac OS X and Linux applications
- Combining interest in number theory with skills in HPC application development



About Me



- 2005: BSc. (Hons) 1st class Computer Science & Physics at Edinburgh University
- 2005-2008: Software Test Team Leader, IBM
- 2008-present: HPC Applications Consultant, EPCC, Edinburgh University

Interests: Space Exploration, Kayaking, Mac OS X game development

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