POSTING DATE: 1 February 2018
JOB OPPORTUNITY: Postdoctoral openings at the Theory-Department (Scheffler), Fritz Haber Institute.
LOCATION: Berlin, Germany.

The "*Theory Department at the Fritz Haber Institute – Berlin-Germany*" (Matthias Scheffler), in collaboration with the "*Center of Materials Genomics at Duke University-USA*" (Stefano Curtarolo) have several theoretical/computational open postdoctoral positions available in computational materials design. Current openings are in **i.** autonomous crystal structure prediction, **ii.** high-throughput electrical conductivity and **iii.** materials informatics.

Successful candidates must have:

1) Solid understanding of solid state physics, thermodynamics of materials, crystallography & group-theory, and inorganic chemistry.
2) Excellent communication skills, both verbal and written.
3) Strong programming skills in python, C++, Fortran. Good knowledge of Unix systems (gcc, g++, etc), and use of NOMAD and/or AFLOW repositories.
4) Proven experience in FHI-AIMS, VASP, Quantum Espresso or other *ab-initio* codes.
5) Doctorate in Physics (Materials), Materials Science, Chemistry or related disciplines.

Potential candidates should send one PDF file named "*Lastname_Firstname_FHI-Theory-201802.pdf*" containing: cover-letter, curriculum vitae and the names/emails/phone of at least three references to **jobs@materials.duke.edu** by email with subject "*FHI-Theory-201802: Lastname Firstname*". Only PDF material will be considered.

The location of the position is Berlin-Germany. Occasional travel to USA is required. Starting date can be negotiated.