

Durham, NC, December 08, 2017

To Whom It May Concern:

The group of Professor Stefano Curtarolo at Duke University Department of Mechanical Engineering and Materials Science and at the Duke Center for Materials Genomics have open postdoctoral and graduate student positions available in ab initio electronic structure methods, materials informatics, and computational materials design. The Curtarolo group is at the forefront of the development of automatic electronic structure computational methods (AFLOW) for applications in the development of materials with technological applications. More information about our research group can be found at <http://materials.duke.edu> and <http://aflow.org/>.

The successful candidates must have 1) solid expertise in the thermodynamics of materials, 2) electronic solid-state theory, 3) crystal structure and symmetry, 4) transport processes (mechanical and electronic), 5) proven experience in VASP and/or Quantum Espresso, C++, UNIX/Linux, 6) a PhD (for postdoctoral position applicants) or Bachelor's degree (for graduate student position applicants) in materials science, physics, chemistry, statistics, mathematics, or related fields. Potential candidates should send their curriculum vitae and the names of three references to cormac.toher@duke.edu (only PDF material will be considered).

Sincerely yours,

Prof. Stefano Curtarolo,

Professor of Materials Science and Physics, Duke University

Dr. Cormac Toher

Assistant Research Professor, Duke University

Details of eligibility for benefits, such as insurance, retirement, and vacation/sick leave, may be found at the Office of Postdoctoral Services website, <http://www.postdoc.duke.edu/>, under policies. Please note that the positions are contingent on continued availability of funding and satisfactory performance. Duke University is an affirmative action, equal opportunity employer: <http://www.hr.duke.edu/policies/diversity/eoo.php>
