

## Christopher Wolverton

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The Open Quantum Materials Database (<http://ogmd.org>)

### **PROFESSIONAL PREPARATION**

- 1983-1987 B. S. in Physics, **The University of Texas at Austin** (*Summa cum laude*)  
1987-1993 Ph.D in Physics, **University of California at Berkeley**  
(Advisor: Didier de Fontaine)  
1993-1996 Postdoctoral Research Associate, **National Renewable Energy Lab.**  
(Sponsor: Alex Zunger)

### **APPOINTMENTS**

- 2017-pres. Jerome B. Cohen Professor of Materials Science and Eng., **Northwestern Univ.**  
2007-pres. Professor, **Northwestern University**  
2004-2006 Technical Leader, **Ford Research Laboratory**, Dearborn, MI.  
Group Leader: Hydrogen Storage and Nanoscale Modeling Group  
1999-2003 Senior Technical Specialist, **Ford Research Laboratory**, Dearborn, MI.  
1996-1999 Staff Scientist, **National Renewable Energy Lab.**, Golden, CO.

### **AWARDS**

- Fellow, American Society of Metals, 2018  
Jerome B. Cohen Professorship, 2017  
JOM Best Paper Award, Structural Metals Division, 2014  
Walder Award for Research Excellence, Northwestern University, 2013  
Fellow, American Physical Society, 2011.  
Ford Motor Company Technical Achievement Award, 2006.  
USCAR Recognition Award, 2006.  
Noah Greenberg Award, American Musicological Society, 2006.  
Ford Motor Company Patent Award, 2005.  
Ford Motor Company Publication Award, 2005.  
Ford Environmental, Physical Sciences, and Safety Research Recognition Award, 2003.  
John E. Dorn Memorial Lecture, Northwestern University, 2003.  
Ford Motor Company Patent Award, 2002.

>300 peer-reviewed publications / >200 Invited talks / 10 patents granted (several more pending);

~19000 total citations; **h-index of 72 (Google Scholar)**

### **EXTERNAL SERVICE/PROFESSIONAL SOCIETY ACTIVITIES**

#### Committees

Editorial Board, *Scientific Data*

Editorial Board, *npj Computational Materials*

Advisory Board, NCCR MARVEL Center, Switzerland, 2015-present

DOE Workshop on Exascale Computing, Discussion Leader, 2015

Advisory Board, Citrine Informatics, 2014-present

APS McGroddy Prize for New Materials Selection Committee, 2014-2016

MRS Materials Theory Award Committee, 2011-2014

TMS Fellowship Committee, 2011-2014

TMS Integrated Computational Materials Engineering Committee, 2009-present.

TMS Alloy Phases Committee, 2006-present.

TMS Computational Materials Science Committee, 2006-present.

MRS Energy Quarterly Guest Editor, 2011

Member, International Commission C20 of IUPAP on Computational Physics, 2006-2011.

TMS Integrated Computational Materials Engineering Task Force, 2006-2009.

Guest Editor, MRS Bulletin, Sept. 2006.

Member, DOE/FreedomCAR Hydrogen Storage Technical Team, 2003-2006.

Invited Participant - National Academy of Engineering, Frontiers of Engineering workshop, 2006.

TMS Advisory Board, 2003-2004.

### **Graduate Students and Postdoctoral Associates:**

#### Former Graduate Students (PhD) (15):

Wei Chen (IIT), Bryce Meredig (Citrine Informatics), Alex Thompson, Yongli Wang, Scott Kirklin, Ahmed Issa, Jeff Doak (Questek), Murat Aykol (Toyota Research), Kyoungdoc Kim (Northwestern), Logan Ward (U. Chicago), David Snyder (Lilac Solutions), Tony Emery (Solvay), Soo Kim (Bosch), Zhi Lu, Zhenpeng Yao (Harvard)

#### Former Graduate Students (MS) (8):

Danny Shapiro, Yue Li, Dongshu Wang, Quan Xiu, Zhe Luo, Qing Dong, Yishan Shi, Chonghao Peng

#### Current Graduate Students (14 PhD):

Vinay Hedge, Mohan Liu, Jonathan Pfluger, Shane Patel, Xia Hua, Eric Schwenker, Cheol Peter Park, Sean Griesemer, Abhijith Gopakumar, Jiahong Shen, Bianca Baldassarri, Dale Gaines, Andrew Lee, Elodie Sandraz

#### Former Postdocs (15):

Dongwon Shin (ORNL), Dilpuneet Aihdy (U. Wyoming), William Art Counts (Apple), Swetha Ganeshan, David Farrell (Ford), Heine Hansen (Technical Univ. of Denmark), Zugang Mao, Yongsheng Zhang (Institute of Solid State Physics, Chinese Academy of Sciences), James Saal (Citrine Informatics), Jishnu Bhattacharya (IIT Kharagpur), Kyle Michel (Nike), Vancho Kocevski (U. South Carolina), Shahab Naghavi, Max Amsler (Cornell), Bi-Cheng Zhao (Univ. Virginia)

#### Current Postdocs (6):

Shiqiang Hao, Jianguang He, Eric Isaacs, Koushik Pal, Yizhou Zhu, Yi Xia

#### Undergraduate Students Supervised:

Wenhao Sun, Michelle Chen, Jihye Park, Sail Wu, Scott Grindy, Julija Vinckeviciute, Yang Yu, Kareem Youseff, Kyle Bushick