IDENTIFYING INFORMATION:

NAME: Dong, Jianjun

ORCID iD: https://orcid.org/0000-0003-1459-2628

POSITION TITLE: Professor

PRIMARY ORGANIZATION AND LOCATION: Auburn University, Department of Physics, Auburn, Alabama, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Arizona State University , Tempe, Arizona, United States	Postdoctoral Fellow	05/1998 - 07/2000	Physics
Ohio University, Athens, Ohio, United States	PHD	08/1993 - 08/1998	Physics
Ohio University, Athens, Ohio, United States	MS	08/1993 - 05/1995	Physics
Beijing University, Beijing, Beijing, China	BS	08/1988 - 07/1992	Physics

Appointments and Positions

2012 - present Professor, Auburn University, Department of Physics, Auburn, Alabama, United States

2025 - present T. and J. Walter Professor of Physics, Auburn University, Deapartment of Physics, Auburn, Alabama, United States

2012 - 2017 T. and J. Walter Professor of Physics, Auburn University, Department of Physics, Auburn, Alabama, United States

2008 - 2008 Visiting Professor, Vaderbilt University, Department of Physics and Astronomy, Nashville , Tennessee, United States

2007 - 2007 Visiting Scientist, Carnegie Institution of Washington, Geophysical Laboratory, Washington , District of Columbia, United States

2005 - 2012 Associate Professor, Auburn University, Department of Physics, Auburn, Alabama, United States

2000 - 2005 Assistant Professor, Auburn University, Department of Physics, Auburn, Alabama, United States

1998 - 2000 Postdoctoral Research Fellow, Arizona State University, Department of Physics and Astronomy, and MRSEC, Tempe, Arizona, United States

Products

Products Most Closely Related to the Proposed Project

1. Zeng Y, Dong J. Unified statistical theory of heat conduction in nonuniform media. Physical Review B. 2026; 113(23):-. Available from: https://link.aps.org/doi/10.1103/hx28-4ksc DOI: 10.1103/hx28-4ksc
2. Zeng Y., Dong J.. Fokker-Planck equation for lattice vibration: Stochastic dynamics and thermal conductivity. Physical Review B. 2019; 99(1). DOI: 10.1103/PhysRevB.99.014306
3. Dong J., Sankey O.F., Myles C.W.. Theoretical study of the lattice thermal conductivity in Ge framework semiconductors. Physical Review Letters. 2001; 86(11):2361-2364. DOI: 10.1103/PhysRevLett.86.2361
4. Tang X, Dong J. Lattice thermal conductivity of MgO at conditions of Earth's interior. Proceedings of the National Academy of Sciences. 2010 February 22; 107(10):4539-4543. Available from: https://pnas.org/doi/full/10.1073/pnas.0907194107 DOI: 10.1073/pnas.0907194107
5. Tang X, Ntam M, Dong J, Rainey E, Kavner A. The thermal conductivity of Earth's lower mantle. Geophysical Research Letters. 2014 April 16; 41(8):2746-2752. Available from: https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2014GL059385 DOI: 10.1002/2014GL059385

Other Significant Products, Whether or Not Related to the Proposed Project

1. Dong J, Tomfohr JK, Sankey OF. Non-molecular carbon-dioxide (CO2) solids. Science (New York, N.Y.). 2000 January; 287:11a.
2. Dong J, Drabold DA. Atomistic Structure of Band-Tail States in Amorphous Silicon. Physical review letters. 1998 March 02; 80(9):1928.
3. Tang X, Dong J, Hutchins P, Shebanova O, Gryko J, Barbes P, Cockcroft JK, Vickers M, McMillan PF. Thermal properties of Si136: Theoretical and experimental study of the type-II clathrate polymorph of Si. Physical review. B, Condensed matter. 2006 July 17; 74:014109. Available from: 10.1103/PhysRevB.74.014109
4. Hofmeister AM, Dong J, Branlund JM. Thermal diffusivity of electrical insulators at high temperatures: Evidence for diffusion of bulk phononpolaritons at infrared frequencies augmenting phonon heat conduction. Journal of applied physics. 2014 April 30; 115:163517. Available from: https://doi.org/10.1063/1.4873295
5. Zeng Y, Dong J, Khodadadi JM. Thermal coupling-decoupling mechanism of heat transfer across van der Waals interfaces in n-eicosane. International Journal of Heat and Mass Transfer. 2021; 164:120603. Available from: https://doi.org/10.1016/j.ijheatmasstransfer.2020.120603

Certification:

I certify that the information provided is current, accurate, and complete. This includes, but is not limited to, information related to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

In accordance with Section 10632 of the CHIPS and Science Act of 2022 (42 U.S.C. § 19232), each individual identified as a senior/key person must certify that they are not a party to a malign foreign talent recruitment program.

Research Security Training Requirement for Federal Award Personnel: In accordance with Section 10634 of the CHIPS and Science Act of 2022 (42 U.S.C. § 19234), each individual identified as a senior/key person must certify that they have completed the requisite research security training that meets the requirements specified in Item 2 of Important Notice No. 149 within 12 months prior to proposal submission.

Certified by Dong, Jianjun in SciENcv on 2026-08-13 23:36:00