

Kraig J. Andrews

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| PUBLICATIONS | 1. Chamlagain, B., Perera, M., Chuang, H.J., Bowman, A., Rijal, U., Andrews, K. , Klesko, J., Winter, C., Zhou, Z. “Substrate dependence of Hall and Field-effect mobilities in few-layer MoS ₂ field-effect transistors.” <i>Manuscript in preperation</i> , 2016. |
| CONFERENCE PUBLICATIONS | 1. Chamlagain, B., Perera, M., Chuang, H.J., Bowman, A., Rijal, U., Andrews, K. , Klesko, J., Winter, C., Zhou, Z. “Substrate dependence of Hall and Field-effect mobilities in few-layer MoS ₂ field-effect transistors.” Bulletin of the American Physical Society, 2016. |
| TEACHING EXPERIENCE | Teahcing Assistant, General Physics II, Wayne State University Winter 2017 Teaching Assistant, General Physics II, Wayne State University Autumn 2016 Teaching Assistant, General Physics I, Wayne State University Summer 2016 Teaching Assistant, General Physics I, Wayne State University Autumn 2015 Teaching Assistant, General Physics Lab I, Wayne State University Summer 2015 Laboratory Instructor, Conceptual Physics, Wayne State University Winter 2015 Laboratory Instructor, Descriptive Astronomy, Wayne State University Winter 2015 Laboratory Instructor, Descriptive Astronomy, Wayne State University Autumn 2014 Teaching Assistant, Introductory Physics II, Michigan State University Winter 2014 Laboratory Instructor, Planets and Telescopes, Michigan State University Winter 2013 Teaching Assistant, Introductory Physics I, Michigan State University Autumn 2013 Teaching Assistant, Introductory Physics II, Michigan State University Winter 2012 |
| RELEVANT SKILLS | Nanofabrication: Atomic Force Microscopy (AFM), Electron Beam Lithography, Photolithography, Computer-Aided Design (CAD), Scanning Electron Microscopy (SEM), clean room, chemical etching, metal deposition, and others Programming: C, C++, Fortran, GNU make, HTML, CSS, Python, UNIX shell scripting, and Visual Basic Data Analysis: GNU octave, Kaleidagraph, LabView, MATLAB, Mathematica, Microsoft Excel Data Analysis: Apple OS X, Linux OS, Microsoft Windows Family Editing and Typesetting: T _E X, Microsoft Office, OpenOffice, LibreOffice, GIMP, InkScape Version Control: Git, Mercurial, SVN |
| RELEVANT GRADUATE COURSEWORK | Advanced Quantum Mechanics I & II Survey of Condensed Matter Physics Statistical Mechanics Electrodynamics Thermal Physics |