



Below are links to related papers, books and dissertations where you can read more of the details for things that are of interest to you. We've included LinkedIn links in each project so you can get a better idea of the career progressions of our students, something that we're very proud of.

- **Machine learning for cognitive radio and 5G wireless.** ([Margaret Rooney](#))
 - M. M. Rooney and M. K. Hinders, "Machine Learning for Medium Access Control Protocol Recognition in Communications Networks," in IEEE Access, vol. 9, pp. 110762-110771, 2021, doi: 10.1109/ACCESS.2021.3102859.
 - Margaret Rooney, Working title: Machine learning, signal identification and signal classification to infer network processes, William and Mary, Department of Applied Science Doctoral Dissertation, expected completion: 2021.
- **Lamb wave detection of oil under Arctic ice floes.** ([Elizabeth S. Simons](#), [Spencer Kirn](#))
 - Geo-Referencing Identification (GRID) system for the tagging and tracking of assets from storage through deployment for emergency response, (with B. Schreib et al.) final technical report for DOI/BSEE #E14PC00027, 2015.
 - Tagging of Oil under Ice for Future Recovery (with B. Schreib et al.) final technical report for DOI/BSEE #E14PC00028, 2016.
 - Equip GRID and GRIDSAT Tags with Accelerometers to Measure Ocean Waves (with B. Schreib et al.) final technical report for DOI/BSEE #E16PC00015, 2017.
 - Tagging of Oil Under Ice - Phase II: Ice Floe Tracking System, (with B. Schreib et al.) final technical report for DOI/BSEE #E17PC00022, 2019. Spencer L. Kirn and Mark Hinders, Design Simulations Report, 82 pages, February 9, 2018.
 - Development of Underwater Beacon for Arctic Through-Ice Communication via Satellite (with E.D. Skinner, S.L. Kirn) Cold Regions Science and Technology, Vol. 160C, pp. 58-79 (2019). <https://doi.org/10.1016/j.coldregions.2019.01.010>
- **Smart container tracking with infrared catadioptric imaging.** ([Victor Trujillo II](#))
 - Victor Trujillo II, Global Shipping Container Monitoring Using Machine Learning With Multi-Sensor Hubs And Infrared Catadioptric Imaging, William and Mary, Department of Applied Science Doctoral Dissertation, June 2019.
 - Trujillo, V.E., Hinders, M.K. Container monitoring with infrared catadioptric imaging and automatic intruder detection. SN Appl. Sci. 1, 1680 (2019) doi:10.1007/s42452-019-1721-8

- **Tweetstorm tracking using topic modeling and wavelet fingerprints.** (Spencer Kirn)
 - Spencer Kirn, Exposing Disinformation Campaigns on Social Media using Dynamic Wavelet Fingerprints, William and Mary, Department of Applied Science Doctoral Dissertation, expected completion: 2021.
 - Kirn, S.L., Hinders, M.K. Bayesian identification of bots using temporal analysis of tweet storms. Soc. Netw. Anal. Min. 11, 74 (2021). <https://doi.org/10.1007/s13278-021-00783-7>
 - Kirn, S.L., Hinders, M.K. Dynamic wavelet fingerprint for differentiation of tweet storm types. Soc. Netw. Anal. Min. 10, 4 (2020) doi:10.1007/s13278-019-0617-3
- **Ectobots: Sensor interpretation for autonomous vehicles.** (Wendy Gao, William L. Fehlman II, Eric A. Dieckman)
 - Wen Gao, Air Coupled Ultrasound Imaging for Robot Situational Awareness, William and Mary, Department of Applied Science Doctoral Dissertation, April 2005. Mobile Robot Sonar Interpretation Algorithm for Distinguishing Trees from Poles (with Wen Gou) Robotics and Autonomous Systems, Vol. 53, 89-98 (2005).
 - Mobile Robot Sonar Deformable Template Algorithm for Distinguishing Fences, Hedges and Low Walls (with Wen Gou) in "Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 25", D.O. Thompson and D.E. Chimenti, eds. pp. 1523-1530 (2006).
 - Sonar Backscatter Interpretation for Outdoor Mobile Robot Navigation, (with W. Gao and W. Fehlman) invited chapter in "Mobile Robots, Perception & Navigation" pp. 69-90, Sascha Kolski, ed. Advanced Robotic Systems, Vienna, Austria, pro Literatur Verlag (2007).
 - Danielle Dumond, Mobile Robot Sensor Fusion, William and Mary, Department of Physics Senior Thesis, May 2007.
 - William L. Fehlman II, Classification of Non-Heat Generating Outdoor Objects in Thermal Scenes for Autonomous Robots, William and Mary, Applied Science Doctoral Dissertation, June 2008.
 - Mobile Robot Navigation with Intelligent Infrared Image Interpretation, (with W. Fehlman) Springer Tracts in Advanced Robotics, (2009).
 - Sensing Passive Thermal Objects in Outdoor Scenes for Autonomous Robots (with W. Fehlman) Proceedings of the IEEE International Conference on Technologies for Practical Robot Applications (TePRA), 2009.
 - Passive Infrared Thermographic Imaging for Mobile Robot Object Identification, (with W. Fehlman) Journal of Field Robotics, Vol. 27 #3, 281-310 (2010).
 - Autonomous Classification of Non-Heat Generating Outdoor Objects in Thermal Scenes for Mobile Robots, (with W. Fehlman) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 29 2076-2083, AIP Press (2010).
 - Eric Dieckman, Use of pattern classification algorithms to interpret passive and active data streams from a walking-speed robotic sensor platform, William and Mary, Department of Applied Science Doctoral Dissertation, October 2013.

- Automated classification of oncoming ground vehicles using acoustic echolocation and supervised machine learning (with Eric Dieckman) ASA Spring Meeting, Providence, 7 May 2014.
- **Helical Ultrasound Tomography: HUT.** (Kevin Leonard, Kevin Rudd, Eugene Malyarenko)
 - Fan beam and double crosshole Lamb wave tomography for mapping flaws in aging aircraft structures, (with E. Malyarenko) J. Acoustical Society of America, 108, #10, 1631-1639 (2000).
 - Ultrasonic Lamb Wave Diffraction Tomography, (with E. Malyarenko) Ultrasonics J. 39 #4, 269-281 (2001).
 - Gene Malyarenko, Lamb Wave Diffraction Tomography, William and Mary, Department of Applied Science Doctoral Dissertation, October 2000.
 - Comparison of Double Crosshole and Fanbeam Lamb Wave Tomography, (with E. Malyarenko), in "Reviews of Progress in Quantitative Nondestructive Evaluation", Vol. 20, D.O. Thompson and D.E. Chimenti, 732-739 (2001).
 - Ultrasonic Lamb Wave Tomography (with K Leonard and E. Malyarenko) Inverse Problems Special NDE Issue, 18, #6, 1795-1808 (2002).
 - Guided Wave Helical Ultrasonic Tomography of Pipes, (with K. Leonard) JASA, Vol 114, #2 767-774 (2003).
 - Lamb Wave Helical Ultrasonic Tomography of Pipes (with K. Leonard) in "Reviews of Progress in Quantitative NDE Vol. 23", D.O. Thompson and D.E. Chimenti, eds. 173-179 (2004).
 - Automatic Multi-mode Lamb Wave Arrival Time Extraction for Improved Tomographic Reconstruction (with J. Hou, Kevin R. Leonard) Inverse Problems 20, 1873-1888 (2004).
 - Kevin Leonard, Ultrasonic Guided Wave Tomography of Pipes, William and Mary, Department of Applied Science Doctoral Dissertation, May 2004.
 - Lamb Wave Tomography of Pipes and Tanks using Frequency Compounding (with Kevin R. Leonard) in "Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 24", D.O. Thompson and D.E. Chimenti, eds. 867-874 (2005).
 - Lamb wave tomography of pipe-like structures (with K. Leonard) Ultrasonics, Vol. 44, #7, 574-583 (2005).
 - Multi-mode Lamb Wave Tomography with Arrival Time Sorting (with Kevin R. Leonard) JASA, Vol. 117, #4, 2028-2038 (2005).
 - Multi-mode Lamb Wave Arrival Time Extraction for Improved Tomographic Reconstruction (with J. Hou, Kevin R. Leonard) in "Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 24" D.O. Thompson and D.E. Chimenti, eds. 736-743 (2005).
 - Simulation of Guided Waves in Complex Piping Geometries using the Elastodynamic Finite Integration Technique (with K. Rudd, J. Bingham and K. Leonard) JASA Vol. 121, #3, 1449-1458 (2007).
 - Kevin Rudd, Three Dimensional Finite Integration Time Domain Simulations of Ultrasonic Propagation and Scattering, William and Mary, Applied Science Doctoral Dissertation, June 2007.

- **High-performance computing for IVHM.** (Jill Bingham)
 - Jill Bingham, Ultrasonic Guided Wave Interpretation for Structural Health Inspections, William and Mary, Department of Applied Science Doctoral Dissertation, December 2008.
 - Lamb Wave Detection of Delaminations in Large Diameter Pipe Coatings (with J. Bingham) The Open Acoustics Journal, Vol 2, 75-86 (2009).
 - Lamb Wave Characterization of Corrosion-Thinning in Aircraft Stringers: Experiment and 3D Simulation (with J. Bingham) JASA, Vol. 126, #1, 103-113 (2009).
 - Lamb Wave Detection of Limpet Mines on Ship Hulls (with J. Bingham and A. Friedman) Ultrasonics, 49, 706-722 (2009).
 - Guided Wave Inspection of Complex Steel Structures for Structural Health Monitoring (with C. Miller), Proc of the 19th Annual Res. Symposium and Spring Conference, 107-111, ASNT, 2010.
 - 3D Elastodynamic Finite Integration Technique Simulation of Guided Waves in Extended Built-up Structures Containing Flaws (with J. Bingham) Computational Acoustics, Vol. 18, #2, 165-192 (2010). DOI: 10.1142/S0218396X10004097
 - Automatic Multi-mode Guided Wave Feature Extraction Using Wavelet Fingerprints (with J. Bingham) Review of Progress in Quantitative NDE, Vol. 29, 623-630, AIP Press (2010).
 - Lamb Wave Pipe Coating Disbond Detection Using the Dynamic Wavelet Fingerprinting Technique (with J. Bingham) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 29 615-622, AIP Press (2010).
 - Real-time examination for mines on ship hulls using Rayleigh-Lamb waves (with J. Bingham) Review of Progress in Quantitative NDE, Vol. 29 1741-1748, AIP Press (2010).
- **Intelligent feature downselection in machine learning for NDE.** (Corey Miller, Cara C.A. Leckey)
 - Guided Wave Inspection of Complex Steel Structures for Structural Health Monitoring (with C. Miller), Proc of the 19th Annual Res. Symposium and Spring Conference, 107-111, ASNT, 2010.
 - Cara Campbell Leckey, Investigation of Ultrasonic Wave Scattering Effects using Computational Methods, William & Mary Physics Department Doctoral Dissertation, February 2011.
 - 3D Simulations for the Investigation of Lamb Wave Scattering from Flaws (with C. Leckey) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 31, D.O. Thompson and D.E. Chimenti, eds. AIP Conf. Proc. 1430, 111-117 (2012). doi: 10.1063/1.4716220
 - Multiple-mode Lamb wave scattering simulations using 3D elastodynamic finite integration technique (with Cara Leckey, M. Rogge and C. Miller) Ultrasonics, Vol. 52, #2, 193-344 (2012). doi:10.1016/j.ultras.2011.08.003
 - Flaw Detection and Characterization using Lamb Wave Tomography and Pattern Classification (with C. Miller) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 31, D.O. Thompson and D.E. Chimenti, eds. AIP Conf. Proc. 1430, 663-670, (2012). doi: 10.1063/1.4716290

- Corey Miller, Intelligent Feature Selection Techniques for Pattern Classification of Time-Domain Signals, William and Mary, Department of Applied Science Doctoral Dissertation, Feb 2013.
- Classification of Flaw Severity using Pattern Recognition for Guided Wave-Based Structural Health Monitoring (with Corey Miller) *Ultrasonics* 54 247–258, (2014). doi: 10.1016/j.ultras.2013.04.020
- Multiclass Feature Selection using Computational Homology for Lamb Wave-Based Damage Characterization (with Corey Miller) *J. Intelligent Material Systems and Structures*, 25: 1511 (2014). doi: 10.1177/1045389X13508335
- Intelligent Feature Selection Techniques for Pattern Classification of Lamb Wave Signals (with C. Miller) *Review of Progress in Quantitative Nondestructive Evaluation*, AIP Conference Proceedings 1581, 294 (2014). doi: 10.1063/1.4864833
- Artificial Intelligence in NDT, AWS 9th Shipbuilding Conference, Virginia Beach, 7 April 15.
- **Automatic detection of flaws in digitized recorded music.** (Ryan Laney, Jonathan Stevens)
 - Ryan Laney, Wavelet Fingerprint Identification of Flaws in Digitized Music Recordings, William & Mary Physics Department Senior Honors Thesis, May 2011.
- **UltraSonographic periodontal probe.** (Ted Lynch, Crystal B. Acosta, James Hou)
 - Ultrasonic Periodontal Probe, (with J. Companion), in “Reviews of Progress in Quantitative Nondestructive Evaluation”, Vol. 18, D.O. Thompson and D.E. Chimenti, Plenum Publishing, 1609-1615, (1999).
 - Ted Lynch, Ultrasonographic Measurement of Periodontal Attachment Levels, William and Mary, Department of Applied Science Doctoral Dissertation, June 2001.
 - Ultrasonic Device for Measuring Periodontal Attachment Levels (with J. Lynch) *Reviews of Scientific Instruments*, 73, #7, 2686-2693 (2002).
 - Clinical Tests of an Ultrasonic Periodontal Probe (with J. Lynch, and G. McCombs) in “Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 21”, D.O. Thompson and D.E. Chimenti, eds. AIP CP 615, 1880-1887 (2002).
 - Dynamic Wavelet Fingerprint Identification of Ultrasound Signals (with J. Hou) *Materials Evaluation* 60, #9 1089-1093, (2002).
 - James Hou, Ultrasonic Signal Detection and Characterization Using Dynamic Wavelet Fingerprints, William and Mary, Department of Applied Science Doctoral Dissertation, April 2004
 - Ultrasonic Periodontal Probing Based on the Dynamic Wavelet Fingerprint (with J. Hou) in “Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 24”, D.O. Thompson and D.E. Chimenti, eds. 1549-1556 (2005).
 - Clinical Comparison of an Ultrasonographic Periodontal Probe to Manual and Controlled-Force Probing (with J. Lynch and G. McCombs) *Measurement*, Vol. 35, #5, 429-439, (2006).
 - The Potential of the Ultrasonic Probe (with G. McCombs) April cover story, pp. 14-16, *Dimensions of Dental Hygiene* (2006).
 - Ultrasonography in Dentistry: A Review (with S.R. Ghorayeb and C.A. Bertoncini) *IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control*, Vol. 55, #6, 1256-1266 (2008).

- Simulations of Ultrasonographic Periodontal Probe Using the Finite Integration Technique (with K. Rudd and C. Bertoncini) *The Open Acoustics Journal*, Vol 2, 1-19 (2009).
- Ultrasonographic detection of tooth flaws (with C. Bertoncini and S. Ghoryeb) *Review of Progress in Quantitative Nondestructive Evaluation*, Vol. 29 1559-1565, AIP Press (2010).
- Ultrasonographic Periodontal Probing Depth Determination via Pattern Classification (with C. Bertoncini) *Review of Progress in Quantitative NDE*, Vol. 29 1556-1573, AIP Press (2010).
- Crystal Bertoncini, Application of Pattern Classification to Time Domain Signals, William & Mary Physics Department Doctoral Dissertation, January 2010.
- **Sonic Nets: Benign bird deterrence.** ([Elizabeth S. Simons](#))
 - Acoustic Space is Affected by Anthropogenic Habitat Features: Implications for Avian Vocal Communication (with Caitlin R. Kight and John P. Swaddle) Chapter 5 in *Ornithological Monographs No. 74:47-62*. 2012.
 - Benign exclusion of birds using acoustic parametric arrays (with Eric A. Dieckman, Elizabeth Skinner, Ghazi Mahjoub and John Swaddle) *Proceedings of Meetings on Acoustics*, Vol. 19, 010063 (2013). [DOI: 10.1121/1.4801408]
 - Ghazi Mahjoub, Effectiveness of the "sonic net" at displacing European Starlings from food patches in an outdoor aviary, Department of Biology Masters Thesis, April 2014.
 - Using a "sonic net" to deter pest bird species: Excluding European starlings from food sources by disrupting their acoustic communication (with Ghazi Mahjoub and John Swaddle) *Wildlife Society Bulletin* 39 #2, 326-333 (2015). doi: 10.1002/wsb.529
 - Matthew Groves, Applications of a Length-Limited Parametric Array: Benignly Excluding Birds, Department of Physics Senior Thesis, May 2016.
 - A sonic net excludes birds from an airfield: implications for reducing bird strike and crop losses (with J.P. Swaddle, D.H. Moseley and E.P. Smith) *Ecological Applications*, 26(2):339–345 2016. dx.doi.org/10.1890/15-0829.1
 - Jordan Leek, Speaker Directivity Modifications for Sonic Nets, William and Mary, Department of Physics Senior Thesis, May 2017.
 - "SYSTEM AND METHOD FOR DISRUPTING AUDITORY COMMUNICATIONS AMONG ANIMALS IN A DEFINED LOCALE," (with John Swaddle) US Patent #9,693,548 B2 issued July 4, 2017. Exclusive license to Midstream Technologies, LLC of Williamsburg, VA.
 - Demonstration of a Length Limited Parametric Array (with E.D. Skinner, M.D. Groves) *Applied Acoustics*, Volume 148, May 2019, Pages 423-433. <https://doi.org/10.1016/j.apacoust.2019.01.001>
 - Automatic Counting of Birds in a Bird Deterrence Field Trial (with E. Simons) *Ecology and Evolution*, 2019;00:1–13. <https://doi.org/10.1002/ece3.5695>
 - Elizabeth Simons, Length-Limited Parametric Array Simulations for Sonic Nets, William and Mary, Department of Applied Science Doctoral Dissertation, expected completion: 2021.
- **Wave characterization module for oil spill recovery.** ([Elizabeth S. Simons](#), [Margaret Rooney](#))
 - Low-Cost Wave Characterization Modules for Oil Spill Response (M.K. Hinders, with E.D. Skinner and M.M. Rooney) *Journal of Ocean Engineering and Science* 3 (2018) pp. 96-108 DOI: 10.1016/j.joes.2018.05.003

- **Roof fall warning system for coal mines.** ([Crystal B. Acosta](#), [Jonathan Stevens](#))
 - Detection of Mine Roof-Fall Precursors in Microseismic Signals (M. Hinders, with C. Bertoncini) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 29, 1749-1756, AIP Press (2010).
 - Fuzzy Classification of Roof Fall Predictors in Microseismic Monitoring (M. Hinders, with C. Bertoncini) Measurement Vol. 43, 1690–1701 (2010).
doi:10.1016/j.measurement.2010.09.015
- **Automatic detection of delaminations in microchips.** ([Jonathan Stevens](#), [Eric A. Dieckman](#))
 - Dynamic Wavelet Fingerprint Identification of Ultrasound Signals (M. Hinders, with J. Hou) Materials Evaluation 60, #9 1089-1093, (2002).
 - High-Frequency Contact Ultrasound for Subsurface Characterization of Microelectronics (M. Hinders, with E. Dieckman and J. Stevens), Proceedings of the 19th Annual Research Symposium and Spring Conference, 31-35, ASNT, 2010.
- **Thermographic evaluation of FeAl green sheet.** ([Mike Watkins](#))
 - The Characterization of Iron Aluminide Green Sheet Thermal Properties, (M. Hinders, with M. L. Watkins), J. Materials Science and Engineering A258 266-269 (1998).
 - Thermographic Characterization of FEAL Green Sheet, (M. Hinders, with M. Watkins), in “Reviews of Progress in Quantitative Nondestructive Evaluation”, Vol. 18, D.O. Thompson and D.E. Chimenti, Plenum, 2279-2285, (1999).
 - The Quantitative Inspection of Iron Aluminide Green Sheet using Thermography (M. Hinders, with M. Watkins, C. Scorey and W. Winfree), in NDE IX, RE Green, ed. (1999).
 - Reference Composites for the Thermographic Inspection of Green Alloy Components, (M. Hinders, with M. Watkins), in “Reviews of Progress in Quantitative Nondestructive Evaluation”, Vol. 20, D.O. Thompson and D.E. Chimenti, 1555-1561 (2001).
- **Non-linear Acoustic Concealed Weapons Detection.** ([Kevin Rudd](#))
 - Nonlinear Acoustic Concealed Weapons Detection (M. Hinders, with A. Achanti, M. McKenna, S. Guy, E. Malyarenko, J. Lynch, J. Heyman and K. Rudd) Matls Eval, Vol. 63, No. 12, 1195-1202 (2005).
 - Nonlinear Acoustic Concealed Weapons Detection, (M. Hinders, with J. Heyman, A. Achanti, M. McKenna and K. Rudd) 34th Applied Imagery Pattern Recognition Workshop (AIPR'05) pp. 21-17, The Cosmos Club, Washington, DC, 19 October 2005.
 - Simulation of Incident Nonlinear Sound Beam 3D Scattering from Complex Targets, (M. Hinders, with K. Rudd) Computational Acoustics, Vol 16, #3, 427-445 (2008).
 - Acoustic Parametric Array for Identifying Standoff Targets (M. Hinders, K. Rudd) Review of Progress in Quantitative Nondestructive Evaluation, Vol. 29 1757-1764, AIP Press (2010).
- **Wavelet fingerprint analysis of time-domain reflectometry signals.** ([Kevin Leonard](#))
 - Wavelet Thumbprint Analysis of Time Domain Reflectometry Signals for Wiring Flaw Detection (M. Hinders, with J. Bingham, K. Rudd, R. Jones and K. Leonard) in “Reviews of Progress in Quantitative Nondestructive Evaluation Vol. 25”, D.O. Thompson and D.E. Chimenti, eds. pp. 641-648 (2006).
 - Wavelet Thumbprint Analysis of Time Domain Reflectometry Signals for Wiring Flaw Detection (M. Hinders, with R. Jones and K. Leonard) Engineering Intelligent Systems vol 15, #4, 65-79 (2007).

- **Sphere scattering applied to heart surgery and biofuels.** (Alison Pouch, [Ted Lynch](#), [Cara Leckey](#))
 - Embolic Sizing Measurements in Extracorporeal Circuits using Ultrasound Backscatter, (M. Hinders, with J.E. Lynch, A. Pouch, R. Sanders, K. Rudd and J. Sevick) *Ultrasound in Medicine and Biology*, Vol. 33, #10, 1661-1675, (2007).
 - Ultrasonic Radiation Force for Debubbling Blood (M. Hinders, C. Campbell) *Review of Progress in Quantitative Nondestructive Evaluation*, Vol. 29 1551-1558, AIP Press (2010).
 - Viscous effects in the acoustic manipulation of algae for biofuel production, (M. Hinders, Cara Leckey) *Journal of Applied Phycology*, (2011). DOI 10.1007/s10811-011-9662-7
 - Newtonian Viscous Effects in Ultrasonic Emboli Removal from Blood, (M. Hinders, with Cara Leckey) *Ultrasound in Medicine & Biology*, Vol. 37, No. 8, pp. 1340–1349, (2011). DOI: 10.1016/j.ultrasmedbio.2011.05.009.
- **Ultrasonic detection of cracks in teeth.** ([Crystal B. Acosta](#))
 - Ultrasonographic detection of tooth flaws (M. Hinders, with C. Bertoncini and S. Ghoryeb) *Review of Progress in Quantitative Nondestructive Evaluation*, Vol. 29 1559-1565, AIP Press (2010).
 - Ultrasonography in Dentistry: A Review (M. Hinders, with S.R. Ghorayeb and C.A. Bertoncini) *IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control*, Vol. 55, #6, 1256-1266 (2008).

Feel free to contact me or any of our current and former students with questions about our research projects and/or the PhD program in Applied Science. These conversations are usually the first step in defining programs of study that best suit your professional goals. My contact information is:

[Professor Mark Hinders](#)
[W&M Applied Science Dept.](#)
[Williamsburg](#), VA 23187-8795
 Desk Phone: (757) 221-1519
 E-mail: my-last-name@wm.edu

We generally encourage prospective students to visit campus and meet with faculty members and students. For information regarding a campus visit, please [contact our Graduate Program Coordinator](#).