

# Daniel J. Preston

---

Postdoctoral Fellow  
Harvard University

12 Oxford St., Cambridge, MA 02138  
[www.mit.edu/~dpreston](http://www.mit.edu/~dpreston)  
[dpreston@mit.edu](mailto:dpreston@mit.edu)  
610-597-2359

## EDUCATION

- Massachusetts Institute of Technology, PhD in Mechanical Engineering, GPA 5.00/5.00** 6/2017  
Thesis: Enhanced Condensation Heat Transfer for Water and Low Surface Tension Fluids, advised by Prof. Evelyn N. Wang; committee: Bora Mikic, Gareth McKinley
- Massachusetts Institute of Technology, SM in Mechanical Engineering, GPA 5.00/5.00** 6/2014  
Thesis: Electrostatic Charging of Jumping Droplets on Superhydrophobic Nanostructured Surfaces: Fundamental Study and Applications, advised by Prof. Evelyn N. Wang
- University of Alabama, BS in Mechanical Engineering, GPA 4.00/4.00, summa cum laude** 5/2012  
Minor in Computer-Based Honors Program, six semesters of undergraduate research

## PROFESSIONAL EXPERIENCE

- Postdoctoral Fellow, Whitesides Group, Harvard University Dept. of Chemistry** 9/2017–present  
Surface engineering and coatings, fluid-surface interactions, soft robotics.
- Founder and Director, Lab Energy Assessment Center (LEAC) at MIT** 1/2017–present  
Energy auditing labs using wireless network, raised over \$390,000 in funding.
- Research Assistant, Device Research Laboratory, MIT Mechanical Engineering** 6/2012–9/2017  
Heat transfer, fluid mechanics, energy efficiency, and sustainability.
- Energy Consultant and Team Lead, Alabama Industrial Assessment Center** 12/2010–5/2012  
Authored paper on lighting retrofit, led 3-member assessment teams.
- Undergraduate Researcher, University of Pennsylvania SUNFEST REU** 5/2011–8/2011  
Developed self-contained in-shoe sensor with CHOP, won “Best in SUNFEST.”
- Engineering Intern, Delaware River Bridge Commission** 5/2009–8/2009  
Oversaw paving of major highways during I-78 revitalization project.

## AWARDS AND HONORS

- National Science Foundation Graduate Research Fellowship 2012–2017
- MIT Wunsch Foundation Silent Hoist and Crane Award - Outstanding Graduate Research 2017
- Best Poster at International Conference on Nanochannels, Microchannels, and Minichannels 2017
- MIT Keck Travel Award in Thermal Sciences 2016
- MIT Green Labs Seed Funding and Innovation Award 2016
- Tau Beta Pi Engineering Honor Society Fellowship (of 40 awarded nationally) 2012
- Catherine J. Randall Premier Award, most outstanding student scholar at University of Alabama 2012

**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

1. **D.J. Preston**, Y. Song, Z. Lu, D.S. Antao, E.N. Wang, "Design of Lubricant Infused Surfaces," *ACS Applied Materials and Interfaces*, Article ASAP, 2017.
2. Y. Zhao\*, **D.J. Preston\***, Z. Lu, L. Zhang, J. Queeney, E.N. Wang, "Effects of Millimetric Geometric Features on Dropwise Condensation under Different Vapor Conditions," *International Journal of Heat and Mass Transfer*, in press, 2017. \*equal contribution
3. Z. Lu\*, **D.J. Preston\***, D.S. Antao, Y. Zhu, E.N. Wang, "Coexistence of Pinning and Moving on a Contact Line," *Langmuir*, 33(36), 2017. \*equal contribution
4. Z. Lu, K.L. Wilke, **D.J. Preston**, I. Kinefuchi, E. Chang-Davidson, E.N. Wang, "An Ultrathin Nanoporous Membrane Evaporator," *Nano Letters*, 17(10), 2017.
5. **D.J. Preston**, A. Anders, B. Barabadi, E. Tio, Y. Zhu, D.A. Dai, E.N. Wang, "Electrowetting-on-Dielectric Actuation of a Vertical Translation and Angular Manipulation Stage," *Applied Physics Letters*, 109(24), 2016.
6. H.J. Cho, **D.J. Preston**, Y. Zhu, E.N. Wang, "Nanoengineering Materials for Liquid-Vapour Phase Change Heat Transfer," *Nature Reviews Materials*, 2, 2016.
7. A. Cavalli, **D.J. Preston**, E. Tio, D. Martin, N. Miljkovic, E.N. Wang, F. Blanchette, J.W.M. Bush, "Electrically Induced Drop Detachment and Ejection," *Physics of Fluids*, 28(2), 2016.
8. S.M. Jung, **D.J. Preston**, H.Y. Jung, Z. Deng, E.N. Wang, J. Kong, "Porous Cu Nanowire Aerosponges from One-Step Assembly and their Applications in Heat Dissipation," *Advanced Materials*, 28(7), 2015.
9. **D.J. Preston**, D.L. Mafra, N. Miljkovic, J. Kong, E.N. Wang, "Scalable Graphene Coatings for Enhanced Condensation Heat Transfer," *Nano Letters*, 10(1021), 2015.
10. **D.J. Preston**, N. Miljkovic, J. Sack, J. Queeney, E.N. Wang, "Effect of Hydrocarbon Adsorption on the Wettability of Rare Earth Oxide Ceramics," *Applied Physics Letters*, 105(1), 2014.
11. **D.J. Preston**, N. Miljkovic, R. Enright, E.N. Wang, "Jumping Droplet Electrostatic Charging and Effect on Vapor Drag," *Journal of Heat Transfer*, 136(8), 2014.
12. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Jumping-Droplet Electrostatic Energy Harvesting," *Applied Physics Letters*, 105(1), 2014.
13. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Ostwald Ripening During Freezing on Scalable Superhydrophobic Surfaces," *Journal of Heat Transfer*, 136(8), 2014.
14. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Electric-Field-Enhanced Condensation on Superhydrophobic Nanostructured Surfaces," *ACS Nano*, 7(12), 2013.
15. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Electrostatic Charging of Jumping Droplets on Superhydrophobic Surfaces," *Nature Communications*, 4, 2013.
16. N. Miljkovic, **D.J. Preston**, R. Enright, S. Adera, Y. Nam, E.N. Wang, "Jumping Droplet Dynamics on Scalable Nanostructured Superhydrophobic Surfaces," *Journal of Heat Transfer*, 135(8), 2013.
17. N. Miljkovic, R. Xiao, **D.J. Preston**, R. Enright, I.S. McKay, E.N. Wang, "Condensation on Hydrophilic, Hydrophobic, Nanostructured Superhydrophobic and Oil-Infused Surfaces," *Journal of Heat Transfer*, 135(8), 2013.
18. **D.J. Preston**, K.A. Woodbury, "Cost-Benefit Analysis of Retrofit of HID Factory Lighting with More Energy-Efficient Alternatives," *Energy Efficiency*, 6(2), 2013.

**PUBLICATIONS IN PREPARATION AND REVIEW**

1. **D.J. Preston**, Z. Lu, Y. Song, Y. Zhao, K.L. Wilke, D.S. Antao, M. Louis, E.N. Wang "Heat Transfer Enhancement during Water and Hydrocarbon Condensation on Lubricant Infused Surfaces," *Scientific Reports* (under review).
2. **D.J. Preston**, K.L. Wilke, Z. Lu, Y. Zhao, L. Becerra, E.N. Wang, "Gravitationally-Driven Wicking for Enhanced Condensation Heat Transfer," *Langmuir* (submitted).
3. L. Becerra, J. Ferrua, M. Drake, A. Anders, E.N. Wang, **D.J. Preston**, "Active Monitoring of Chemical Fume Hood Sash Position for Energy Conservation," *Joule* (in preparation).
4. K.L. Wilke, **D.J. Preston**, Z. Lu, E. N. Wang, "Design of Reentrant Structures for Condensation Applications," *ACS Nano* (in preparation).
5. K.L. Wilke, M. Garcia, **D.J. Preston**, E. N. Wang, "Simplified Fabrication of Double Reentrant Structures via Stress-Induced Bending," *Small* (in preparation).
6. D.S. Antao, K.L. Wilke, Z. Xu, **D.J. Preston**, E. N. Wang, "Heat Transfer Enhancement During Jumping Droplet Condensation in Internal Flows," *Journal of Heat Transfer* (in preparation).

**PATENTS**

1. **D.J. Preston**, E.N. Wang, "Lubricant Infused Surfaces without Hydrophobic Coatings," *in preparation with MIT Technology Licensing Office*.
2. **D.J. Preston**, L. Becerra, J. Ferrua, M. Drake, A. Anders, E.N. Wang, "Fume Hood Feedback Device," *in preparation with MIT Technology Licensing Office*.
3. **D.J. Preston**, A. Anders, E.N. Wang, "Electrowetting-Actuated Spatial and Angular Manipulation Device," US Patent Application 62/403,767, filed October 4, 2016. Patent Pending.
4. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Condensation on Surfaces," US Patent Application 20140287150 A1, filed March 19, 2014. Patent Pending.
5. N. Miljkovic, **D.J. Preston**, R. Enright, E.N. Wang, "Electric Field Enhanced Condensation," US Patent Application 61/846,696, filed July 16, 2013. Patent Pending.

**BOOK CHAPTERS**

1. N. Miljkovic, **D.J. Preston**, and E.N. Wang, "Recent Developments in Altered Wettability for Enhancing Condensation," *Encyclopedia of Two-Phase Heat Transfer and Flow II*, Volume 3, 2015.

**SELECT CONFERENCE PRESENTATIONS**

1. **D.J. Preston**, Y. Song, Z. Lu, D.S. Antao, E.N. Wang, "Design of Lubricant Infused Surfaces," MRS Fall Meeting, Boston, MA, Nov. 26-Dec. 1, 2017.
2. P. Greenley, **D.J. Preston**, "MIT Green Labs Contest: A Certified Success," International Institute for Sustainable Laboratories Conference, Boston, MA, Oct. 16-18, 2017.
3. **D.J. Preston**, Z. Lu, Y. Song, K.L. Wilke, Y. Zhu, D.S. Antao, E.N. Wang, "Gravitationally-Driven Wicking for Enhanced Condensation Heat Transfer," International Conference on Nanochannels, Microchannels, and Minichannels, Cambridge, MA, August 27-30, 2017. **Best Poster**.
4. **D.J. Preston**, D.S. Antao, Y. Zhao, K.L. Wilke, E.N. Wang "Heat Transfer Enhancement during Condensation of Hydrocarbons with Slippery Liquid-Infused Porous Surfaces for Improved Natural Gas Processing Efficiency," 4th Int. Workshop on Heat Transfer, Las Vegas, NV, April 2-5, 2017.

5. **D.J. Preston**, Z. Lu, Y. Zhao, D.S. Antao, K.L. Wilke, E.N. Wang, "Optimal Design of Slippery Liquid-Infused Porous Surfaces for Enhanced Condensation of Low Surface Tension Fluids," APS March Meeting, New Orleans, LA, March 13-17, 2017.
6. **D.J. Preston**, A. Anders, B. Barabadi, E. Tio, Y. Zhu, D.A. Dai, E.N. Wang, "Electrowetting-on-Dielectric Actuation of a Spatial and Angular Manipulation MEMS Stage," MEMS 2017, Las Vegas, NV, Jan. 22-26, 2017.
7. **D.J. Preston**, D.S. Antao, Y. Zhao, K.L. Wilke, E.N. Wang, "Heat Transfer Enhancement during Condensation of Hydrocarbons with Liquid Infused Surfaces," Gordon Research Conference on Micro- and Nanoscale Phase Change Heat Transfer, Galveston, TX, Jan. 8-13, 2017.
8. **D.J. Preston**, D.S. Antao, K.L. Wilke, Z. Lu, M. Louis, E.N. Wang "Micro- and Nanoscale Surface Design for Enhanced Condensation Heat Transfer," International Workshop on New Understanding in Nanoscale/Microscale Phase Change, Trondheim, Norway, June 12-16, 2016.
9. **D.J. Preston**, D.L. Mafra, N. Miljkovic, J. Kong, E.N. Wang, "Enhanced Condensation Heat Transfer with Scalable Graphene Coatings," Proceedings of the 9th International Conference on Boiling and Condensation Heat Transfer, Boulder, CO, April 26-30, 2015.
10. **D.J. Preston**, N. Miljkovic, J. Sack, J. Queeney, A. Krishnamachar, E.N. Wang, "Role of Nanostructure Size and Coating Quality in Delay of Surface Flooding during Jumping Droplet Condensation," Gordon Research Conference on Micro- and Nanoscale Phase Change Heat Transfer, Galveston, TX, Jan. 11-16, 2015.
11. **D.J. Preston**, N. Miljkovic, J. Sack, R. Enright, J. Queeney, E.N. Wang, "Effect of Hydrocarbon Adsorption on the Wetting of Rare Earth Oxides," Proceedings of the 15th International Heat Transfer Conference (IHTC-15), Kyoto, Japan, August 10-15, 2014.
12. **D.J. Preston**, N. Miljkovic, S. Yang, J. Sack, E.N. Wang, "Scalable Growth of Superhydrophobic Zinc Oxide Nanowires on Common Industrial Substrates for Enhanced Condensation Heat Transfer," Proceedings of the 4th Micro-Nanoscale Heat and Mass Transfer International Conference, Hong Kong, China, December 11-14, 2013.
13. **D.J. Preston**, N. Miljkovic, R. Enright, E.N. Wang, "Vapor Flow Entrainment of Jumping Water Droplets," 66th Annual Meeting of the APS Division of Fluid Dynamics - Gallery of Fluid Motion Poster, Pittsburgh, PA, November 24-26, 2013.
14. **D.J. Preston**, N. Miljkovic, R. Enright, A. Limia, E.N. Wang, "Effect of Vapor Flow on Jumping Droplets during Condensation on Superhydrophobic Surfaces," 66th Annual Meeting of the APS Division of Fluid Dynamics, Pittsburgh, PA, November 24-26, 2013.
15. L. Ladani, **D.J. Preston**, "In-Vivo Mechanical Characterization of Micro-Specimens using a Novel Micro-Electro-Mechanical System," Proceedings of the ASME Summer Bioengineering Conference, Farmington, PA., June 22-25, 2011.

## TEACHING AND MENTORING EXPERIENCE

### Teaching Experience

- **CBH 101 Computer-Based Honors – Teaching Assistant (Fall 2010, Fall 2011)**  
Course description: Taken by first-year students in the University of Alabama Computer-Based Honors Program, this course provides an accelerated introduction to computer hardware and software. Students learn to use Unix commands and program in Fortran; final project is a DMV/RMV database.

- **CBH 102 Computer-Based Honors – Teaching Assistant (Spring 2011, Spring 2012)**  
Course description: Taken by first-year students in the University of Alabama Computer-Based Honors Program, this course provides an accelerated introduction to computer hardware and software. Students learn object-oriented programming in C++; final project is a database with custom UI.
- **Alabama Center for Athletic Student Services - Tutor (Nov. 2009 to Dec. 2010)**  
Reviewed physics, chemistry, and math with groups of 1-4 students, 15 hours/week.

#### Graduate Students Advised or Mentored

- **Yajing Zhao, MIT (6/2016-9/2017, Master's student)**  
*Project title:* Dropwise Condensation Enhancement on Geometric Features
- **Youngsup Song, MIT (9/2016-9/2017, PhD student)**  
*Project title:* Prediction of Boiling Critical Heat Flux from Structured Surface Wicked Volume Flux
- **Jean H. Sack, MIT '15 (6/2013-6/2015, terminal Master's degree)**  
*Thesis title:* Fabrication and Robustness Testing of Superhydrophobic Nanostructured Surfaces for Enhanced Jumping Condensation  
*Currently:* Associate Technical Staff, Lincoln Laboratory

#### Undergraduate Students Directly Supervised

- **Alex Limia, University of Miami '14 (6/2013-8/2013)**  
*Project title:* Fabrication of Superhydrophobic Surfaces for Condensation and AC Electrowetting  
*Currently:* PhD student, Georgia Tech Mechanical Engineering
- **Immanuel D. Madukauwa-David, MIT '14 (9/2013-6/2014)**  
*Project title:* Aluminum Oxide Nanostructures as Scalable Superhydrophobic Surfaces  
*Currently:* PhD student, Georgia Tech Bioengineering
- **Dhananjai Saranadhi, MIT '14 (9/2013-6/2014)**  
*Thesis title:* Design and Fabrication of an Internal Condensation Loop for Effectiveness and Robustness Testing of Nanostructured Superhydrophobic Steam Condenser Tubes  
*Currently:* Senior Mechanical Engineer, Lucid Motors
- **Evelyn Tio, MIT '14 (9/2013-6/2014)**  
*Thesis title:* Electrowetting Study of Jumping Droplets on Hydrophobic Surfaces  
*Currently:* User Experience Researcher, Google
- **Miles Burr, MIT '15 (6/2013-12/2013)**  
*Project title:* Parametric Study of Copper Oxide Nanostructure Wet Chemical Growth Methods  
*Currently:* Lean Manufacturing Engineer, GE Power
- **John Queeney, MIT '15 (6/2013-5/2015)**  
*Thesis title:* Evaporative Cooling via Jumping Droplet Condensation on Superhydrophobic Surfaces for Localized Car Air Conditioning  
*Currently:* Product Design Engineer, Apple
- **Samalis Santini, University of Puerto Rico Mayaguez '15 (6/2014-8/2014)**  
*Project title:* Performance of Micro Heat Pipes with Copper Oxide Nanostructures  
*Currently:* PhD student, Cornell Mechanical and Aerospace Engineering

- **Matthew Clarke, Howard University '16** (6/2015-8/2015)  
*Project title:* Modelling Evaporative Cooling via Superhydrophobic Jumping Droplet Condensation  
*Currently:* PhD student, Stanford Aeronautics and Astronautics
- **Manuel C. Castro, MIT '17** (6/2014-1/2015)  
*Project title:* Video Tracking Software for Jumping Droplet Trajectory Analysis  
*Currently:* Junior Project Manager, Sonos Inc.
- **Anjali M. Krishnamachar, MIT '17** (6/2014-8/2014)  
*Project title:* Characterization of Superhydrophobic Structured Surfaces with Environmental SEM  
*Currently:* Autonomous Vehicles Research Engineer, Ford
- **Marcel Louis, Howard University '17** (6/2016-8/2016)  
*Project title:* Wicking Media Usage to Promote Heat Transfer Performance in Condensers  
*Currently:* Researcher, Howard University
- **DingRan Annie Dai, MIT '18** (6/2015-11/2015)  
*Project title:* Linear Droplet Motion Induced by Electrowetting on Surfaces with Potential Gradient
- **Manuel Garcia, Florida International University '18** (6/2017-8/2017)  
*Project title:* Simplified Fabrication of Doubly-Reentrant Structures
- **Laura Becerra, University of San Diego '19** (6/2017-8/2017)  
*Project title:* Active Monitoring of Chemical Fume Hood Sash Position for Energy Conservation
- **Georgia Phillips, MIT '20** (1/2017-5/2017)  
*Project title:* Lab Energy Assessment Center
- **Max Drake, MIT '20** (1/2017-8/2017)  
*Project title:* Lab Energy Assessment Center
- **Dheekshita Kumar, MIT '20** (1/2017-5/2017 and 9/2017-present)  
*Project title:* Lab Energy Assessment Center
- **Juan Ferrua, MIT '20** (6/2017-present)  
*Project title:* Lab Energy Assessment Center
- **Lisa Tang, MIT '20** (9/2017-present)  
*Project title:* Lab Energy Assessment Center

## ACADEMIC AND PROFESSIONAL ACTIVITIES

### Leadership Roles

- Environment, Health, and Safety representative for the Device Research Lab, Sept. 2013-Jan. 2017
- Founded MIT Lab Energy Assessment Center with grant from MIT Green Labs program, Jan. 2017
- Organized MIT Micro-Nano Poster Session, \$4k budget, \$300 in prizes, 35 presenters, Feb. 2014
- Chair of Device Research Lab Nano Subgroup, Feb. 2013-Sept. 2017

### Conference Organization

- Session Chair, *Surface Engineering for Advanced Phase Change Heat Transfer*, International Conference on Nanochannels, Microchannels, and Minichannels, Cambridge, MA, Aug. 27-30, 2017.
- Session Co-Chair, *Heat and Mass Transfer in Porous Media*, 4th International Workshop on Heat Transfer, Las Vegas, NV, Apr. 2-5, 2017.

### Professional Society Memberships

- Tau Beta Pi engineering honor society, AL-Beta Chapter – Treasurer, 2011-2012
- Pi Tau Sigma mechanical eng. honor society, AL-Pi Omicron Chapter – Corr. Secretary, 2011-2012
- American Physical Society
- American Society of Mechanical Engineers
- Materials Research Society

### Peer-Review Referee for:

- ACS Applied Materials & Interfaces
- Advanced Materials Interfaces
- Applied Physics Letters
- International Journal of Heat and Mass Transfer
- Joule
- Journal of Micromechanics and Microengineering
- Journal of Physical Chemistry
- Langmuir
- Nanoscale
- Nature Communications
- Nature Materials
- Physical Review Letters
- Proceedings of the National Academy of Sciences
- Scientific Reports

### **SELECT MEDIA COVERAGE**

#### Jumping Droplet Condensation and Electrostatic Charging

- "Could tiny water droplets lower your electric bill?" E. Barber, Christian Science Monitor, Oct. 3, 2013. [Link](#). **Excerpt:** "*We emphasize the scalability of jumping droplet surfaces so that they can be easily implemented at large scales for competitive costs,* ' says Daniel Preston"
- "Jumping droplets repel each other," Nature Research Highlights, Nature, Oct. 2, 2013. [Link](#).
- "Droplets get a charge out of jumping," D.L. Chandler, MIT News, Oct. 2, 2013. [Link](#).
- "Charging Your Phone with Jumping Droplets," N.S. Giges, ASME News, Nov. 2014. [Link](#).
- "Harvesting energy from humidity: Free, green energy from leaping water droplets," R. Whitwam, Extreme Tech, Jul. 14, 2014. [Link](#).
- "Generating Electricity With Jumping Water Droplets Or Humidity," J. Ayre, CleanTechnica, Jul. 2014. [Link](#).

- "Research update: Electric fields can push droplets from surfaces," D.L. Chandler, MIT News, Dec. 2013. [Link](#).
- "The Jaw-Dropping Jumping Droplet Generator," N. Quackenbush, Frontiers in Energy Research Newsletter (US DOE), Jul. 2014. [Link](#).

#### Graphene Condenser Coatings

- "Thin coating on condensers could make power plants more efficient," D.L. Chandler, MIT News, May 29, 2015. [Link](#). **Excerpt:** "*We thought graphene could be useful,' Preston says, 'since we know it is hydrophobic by nature.' So he and his colleagues decided to test both graphene's ability to shed water and its durability under typical power plant conditions"*
- "Hydrophobic graphene coating improves power plant efficiency," J. Ford, The Engineer, Jun. 2, 2015. [Link](#).
- "Hydrophobic graphene coating could make power plants more efficient," J. Sundqvist, Baltic ALD Blog, May 30, 2015. [Link](#).
- "Surface Technology: Thin coating on condensers could make power plants more efficient," C. Konetschny, MaterialsGate, Jun. 3, 2015. [Link](#).
- "Graphene Coating Could Save Millions in Power Plant Energy Costs," D. Johnson, IEEE Spectrum, Jun. 4, 2015. [Link](#).

#### Electrowetting-on-Dielectric Fluid Manipulation

- "No-contact micromechanical systems last longer," S. Nathan, The Engineer, Dec. 19, 2016. [Link](#). **Excerpt:** "*There are a lot of experiments ... that could really benefit from a way to make these small-scale movements,' [Preston] said. Known as electrowetting-on-dielectric (EWOD), this technique is not unknown but has not been used to steer a non-contacting platform around a surface before, Preston added.*"
- "Movable microplatform floats on a sea of droplets," D.L. Chandler, MIT News, Dec. 16, 2016. [Link](#).
- "Movable microplatform floating on droplets," M. Gonick, MIT News, Dec. 16, 2016. [Link](#).

#### Other Media Coverage

- "Students build assistive technologies for Boston residents in need," M. Cichon, MIT Lincoln Laboratories, June 2016. [Link](#). **Excerpt:** "*We presented the app to the Massachusetts Visually Impaired and Blind User Group. We then deployed a beta version of the app on the phones of several visually impaired users,' says Preston. After successful beta testing, [the] app, called Boop, is now available in the iTunes Store, free of charge.*"
- "MRS Features Image Gallery – Look Again: Pearl on Grass," MRS Bulletin, Aug. 7, 2015. [Link](#).