

# David A. Banks

## Curriculum Vitae

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## EDUCATION

2016 – Ph.D. | Science and Technology Studies | Rensselaer Polytechnic Institute

2014 – M.S. | Science and Technology Studies | Rensselaer Polytechnic Institute

2009 – B.A. | Urban Studies | New College of Florida

## PROFESSIONAL POSITIONS

2019 – Present | Visiting Assistant Professor, University at Albany-SUNY, Department of Geography and Urban Planning

2018 – Present | Executive Director, Theorizing the Web, Inc.

2018 – Present | Associate Research Advisor, Social Science Research Council.

2016 – 2019 | Lecturer (Part Time), University at Albany-SUNY, Department of Geography and Urban Planning

## PUBLICATIONS

### Refereed Journal Articles

2018 – Banks, David A. and Michael Lachney “Engineering Violence: Confronting the Neutrality Problem and Violence in Engineering.” *International Journal of Engineering, Social Justice, and Peace*

2017 – Lachney, Michael and Banks, David. “Teaching the Non-Neutral Engineer: Pathways Toward Addressing the Violence of Engineering in the Classroom.” Proceedings of the 2017 ASEE Annual Conference & Exposition.

2016 – Banks, David A. “Anti-Authoritarian Metrics: Recursivity as a strategy for post-capitalism.” *Teknokultura* 13 (2). doi:  
[http://dx.doi.org/10.5209/rev\\_TEKN.2016.v13.n2.52267](http://dx.doi.org/10.5209/rev_TEKN.2016.v13.n2.52267)

2015 – Banks, David A. “Lines of Power: Availability to Networks as a Social Phenomenon.” *First Monday* 20 (11). doi:10.5210/fm.v20i11.6283.

2014 – Eglash, Ron, and David A. Banks. “Recursive Depth in Generative Spaces: Democratization in Three Dimensions of Technosocial Self-Organization.” *The Information Society* 30 (2): 106–15. doi:10.1080/01972243.2014.875775.

2012 – Herkert, Joseph R, and David A. Banks. “I Have Seen the Future!: Ethics, Progress, and the Grand Challenges for Engineering.” *International Journal of*

*Engineering, Social Justice, and Peace* 1 (2): 109–122.  
<http://ojs.library.queensu.ca/index.php/IJESJP/article/view/4306>

### **Selected Popular Publications**

- 2019 – “Building to Code” *Real Life* <https://reallifemag.com/building-to-code-an-introduction/>
- 2018 – “Uber Alles.” *Real Life* <http://reallifemag.com/uber-alles/>
- 2018 – “Engineered for Dystopia.” *The Baffler* <https://thebaffler.com/latest/engineered-for-dystopia-banks>
- 2017 – “The Authoritarian Surround.” *Real Life* <http://reallifemag.com/the-authoritarian-surround/>
- 2016 – “Podcast Out.” *The New Inquiry* <https://thenewinquiry.com/podcast-out/>
- 2016 – “True-ish Grit.” *Real Life* <http://reallifemag.com/true-ish-grit/>
- 2015 – “Community Slander.” *The New Inquiry*  
<http://thenewinquiry.com/essays/community-slander/>
- 2014 – “The Power of a Decentralized Left.” *Tikkun Magazine*  
<http://www.tikkun.org/nextgen/the-power-of-a-decentralized-left>

### **White Papers & Reports**

- 2018 – Banks, David A. “Grant and Market Environment Report.” Prepared for the Troy Waterfront Farmers’ Market.
- 2010 – Banks, David A. and David J. Hess. 2010. “Minnesota and The Twin Cities” Pp. 75-87. in *Building Clean-Energy Industries and Green Jobs: Policy Innovations at the State and Local Government Level*. Available at:  
<http://www.davidjhess.org/greening-of-economic-development.html>
- 2010 – Banks, David A. and David J. Hess. 2010. “Florida and Gainesville, Orlando” Pp. 184-196. in *Building Clean-Energy Industries and Green Jobs: Policy Innovations at the State and Local Government Level*. Available at:  
<http://www.davidjhess.org/greening-of-economic-development.html>

### **GRANTS, FELLOWSHIPS, AND AWARDS**

- 2015 – (Fellowship) Alger Engineering Ethics Research Fellowship, Rensselaer Polytechnic Institute: \$1,500
- 2015 – (Fellowship) Rensselaer Humanities, Arts, and Social Sciences Fellowship 2015-2016 Rensselaer Polytechnic Institute: \$24,667 stipend and tuition remittance.
- 2015 – (Grant) Doctoral Dissertation Research Improvement Grant (Award # 1456138), National Science Foundation: \$18,000
- 2011 – (Award) Certificate of Accomplishment Recognizing Valuable Contributions to STEM Education, National Science Foundation.

2010 – (Fellowship) GK-12 Triple Helix Program Two Year Research Fellowship, National Science Foundation: \$30,000 Stipend for two years plus tuition remittance.

## **RESEARCH EXPERIENCE**

2018 – Contracted with Collar City Collective, Inc. to explore the market potential for a permanent location for the Troy Waterfront Farmers' Market. We developed a grant proposal to submit to Empire State Development for grant funds and did extensive customer research between June and August of 2018.

2012 – GK-12 Research Fellow. From 2010-2012 worked in conjunction with teachers in an 8<sup>th</sup> grade science classroom developing curriculum and learning technologies. Organized conferences, teacher enrichment programs, and conducted research in Kumasi, Ghana on HIV/AIDS awareness.

2010 – Summer Research Training Seminar “The Greening of Economic Development. Funded by National Science Foundation Award # SES-0947429. Worked with fellow graduate students under Dr. David J. Hess to write a white paper on Green Jobs in the United States. Work was also used as the basis for *Good Green Jobs in a Global Economy: Making and Keeping New Industries in the United States* (MIT Press, 2012). Full text of the white paper available here: <http://www.davidjhess.org/greening-of-economic-development.html>

2009 – Sarasota County Planning & Urban Development Intern. From September 2009 – May 2010 worked directly under Peter Katz in the facilitation and preparation of community design meetings and charrettes hosted by the county.

## **PREVIOUS TEACHING EXPERIENCE**

### **Part Time Lecturer**

2017 – Rensselaer Polytechnic Institute, Department of Science & Technology Studies

2016 – Rensselaer Polytechnic Institute, Department of Communication and Media

### **Teaching Assistant**

Rensselaer Polytechnic Institute, Department of Science and Technology Studies

2015 – Design, Innovation, and Society Studio V: Organizational Design.

2014 – Introduction to Science, Technology, and Society

2013 – Introduction to Science, Technology, and Society

2012 – Environment & Society

New College of Florida, Division of Social Sciences

2009 – Practicum for Community Building

## **COURSES TAUGHT**

- 2016 (Fall) - Present – Introduction to Urban Geography (30 Students)
- 2017 (Fall) – Senior Project (19 Students)
- 2017 (Fall) – Digital Design in History (19 Students)
- 2016 (Fall) – Introduction to Communication Theory (Two sections of 19 students)

## **INVITED TALKS**

- 2019 – Invited Speaker, “Science and Society: Towards Teaching a Structural Understanding of Science” American Association of Physics Teachers. July 20, 2019.
- 2019 – Invited Lunch talk, “The Forces of Design” Interakt Design Studio, May 17, 2019
- 2018 – Moderator on invited keynote panel “Nerding Out” for *Theorizing the Web 2018*. Museum of the Moving Image. April 27, 2018.
- 2017 – Moderator on invited keynote panel “Weblandia” for *Theorizing the Web 2017*. Museum of the Moving Image. April 7, 2017.
- 2016 – Host and speaker with journalist Melissa Gira Grant “Tools and Tactics: New Media and the Presidential Campaign” at the International Center for Photography. November 1, 2016
- 2016 – Moderator on invited keynote panel “Cool Story” for *Theorizing the Web 2016*. Museum of the Moving Image. April 16, 2016.
- 2015 – Invited panelist with Gabriella Coleman and Mary N. Taylor on “Real Publics.” Columbia University GSAPP and NEW INC. Fifth Edition of Interpretations: Mediating Realities. April 18, 2015.
- 2013 – Invited panelist on “Freedom to Connect” Panel for Changing the Climate: (r)Evolution for Social and Environmental Justice Convergence Panel hosted by media activist Dr. Dee Dee Halleck. Open to the public and hosted by The Sanctuary for Independent Media. March 22, 2013.

## **CONFERENCE ACTIVITY**

### **Conferences Organized**

- 2017 – Present – (Co-chair) *Theorizing the Web*. New York, NY.
- 2014 – 2016 – (Organizing Committee Member) *Theorizing the Web*, New York, NY.
- 2014 – (Organizing Committee Member) Northeastern Science and Technology Studies Graduate Conference. Troy, NY: March 12-13.
- 2012 – (Conference Chair) *Technoscience as Activism*. Troy, NY June 26-29.

### **Papers Presented**

- 2018 – “Cultivating A New Engineer: Using Transportation History to Reconsider the Working Conditions of Engineers in Politically Inflected Projects” Society for the History of Technology. St. Louis, MO. October 12-14, 2018

- 2017 – “Teaching the Non-Neutral Engineer: Pathways Toward Addressing the Violence of Engineering in the Classroom.” National Association of Engineering Education Conference & Exposition. Columbus, OH. June 25-28, 2017 (With Michael Lachney)
- 2015 – “Knowing Who Knows: Teaching Assistants As Learning Brokers In Engineering Education.” Engineering and Liberal Education Symposium: Union College, Schenectady, New York. June, 2015. (With Michael Lachney)
- 2014 – “Efficiency is Dead.” Generative Justice Conference: Rensselaer Polytechnic Institute, Troy, New York. June, 2014.
- 2013 – “Critical Commotion: Wireless Networking for Alternative Media and Community Organization.” Annual Meetings of the Society for the Social Studies of Science: San Diego, California. October 2013.
- 2013 – “On the Political Origins of Digital Dualism: From Rousseau's Masturbating Habits to The Front Page of the New York Times.” Theorizing the Web: CUNY Graduate Center, Manhattan, New York. March 2, 2013
- 2012 – ““Finding it 'Otherwise': Culturally and Geographically Situating The Practice of Texting.” Theorizing the Web: University of Maryland - College Park, College Park, Maryland. April 14, 2012
- 2011 – “New Urbanism and Scientism Discourse: Regulating as if Humans Matter?” Annual Meetings of the Society for the Social Studies of Science: Cleveland, Ohio. November 2011.
- 2011 – “New Urbanism and Scientism Discourse: Regulating as if Humans Matter?” New Political Sociology of Science Conference: Rensselaer Polytechnic Institute, Troy, New York. May 2011.
- 2011 – “Practical Cyborg Theory: Discovering a Metric for the Emancipatory Potential of Technology.” Theorizing the Web: University of Maryland - College Park, College Park, Maryland. April 2011.
- 2009 – “City, Sweet City: A Study of the Implementation of New Urbanism and the Public Process.” National Conference on Undergraduate Research: University of Wisconsin- La Crosse, La Crosse, Wisconsin. Spring 2009.

### **Poster and Multimedia Presentations**

- 2017 – “Generative STEM: Circulating Unalienated Value in Education, Labor and Environment.” Annual Meetings of the Society for the Social Studies of Science in Boston, MA. August 2017 (co-presenter with Michael Lachney, Audrey Bennett, Daniel Lyles, Zoe Zatz, William Babbitt, and Ron Eglash)
- 2016 – “STS Spice Rack Workshop” Critical making session where participants made jars that represent an aspect of STS discourse or practice. Northeastern Science and Technology Studies Graduate Conference. Rensselaer Polytechnic Institute, Troy, New York. March 13, 2016.

- 2016 – “STS Design Program” Making and Doing Session. Interactive exhibit showcasing undergraduate design pedagogy. Annual Meetings of the Society for the Social Studies of Science in Denver, Colorado. November 2015 (Non-present co-author. Lead author Dr. Dean Nieusma, co-authors James W. Malazita, Michael Lachney, and Brandon Costello-Kuehn.)
- 2011 – “DNA Rockstar!: Using Interactive Media to Teach Genetic Science.” Poster presentation. Atlanta Conference on Science and Innovation Policy. Georgia Tech, Atlanta, Georgia. September 2011.
- 2011 – “DNA Rockstar: Presenting Educational Content Within Interactive Media” Poster presentation. Annual Conference for GK-12 Projects in Washington D.C. March 2011.

## **MEDIA COVERAGE**

- Quoted in *New York Magazine* cover story “Does Even Mark Zuckerberg Know What Facebook Is?” by Max Read talking about the behavior of large technical systems. October 1, 2017 Full text at: <http://nymag.com/selectall/2017/10/does-even-mark-zuckerberg-know-what-facebook-is.html>
- Interview on BTR Today’s *Radio Dispatch* podcast. Discussed the epistemology of NPR science coverage. December 15, 2016 Full episode recording at: <http://www.btrtoday.com/listen/radiodispatch/week-of-121516-6/>
- Quoted in *The Atlantic* “How Railroad History Shaped Internet History” by Ingrid Burrington. November 24, 2015. Full text available at: <http://www.theatlantic.com/technology/archive/2015/11/how-railroad-history-shaped-internet-history/417414/>
- Interview on BTR Today’s *Radio Dispatch* podcast. Discussed trigger warnings in the Academy. Hosted and produced by Molly Knefel and John Knefel. August 16, 2015. Full episode recording available at: <http://www.btrtoday.com/listen/radiodispatch/radio-dispatch-david-banks-joins-us>
- Quoted *Washington Post* “You don’t know it, but you’re working for Facebook. For free.” by Caitlin Dewey. July 22, 2015. Full text available at <https://www.washingtonpost.com/news/the-intersect/wp/2015/07/22/you-dont-know-it-but-youre-working-for-facebook-for-free/>
- Interview in *Buzzfeed* article “Reddit Is An Incubator Of Hate” by Charlie Warzel. June 25, 2015. Full article text available at: <http://www.buzzfeed.com/charliwarzel/how-reddit-works-as-an-incubator-of-hate#.rpZg9aP63>
- Interview on BTR Today’s *Radio Dispatch* podcast. Discussed Reddit’s role in the spread of hatespeech. Hosted and produced by Molly Knefel and John Knefel. June 16, 2015. Full episode recording at:

<http://www.btrtoday.com/listen/radiodispatch/radio-dispatch-david-banks-on-reddit-and-speech-2>

Quoted in *New York Magazine* “Are E-Cigarettes Making Smoking Seem Less Gross?” by Melissa Dahl. June 3, 2014 Full text available at:

<http://nymag.com/scienceofus/2014/06/are-e-cigarettes-sanitizing-smoking-culture.html>

Interview on The Australian Broadcast Company’s RadioNational show *The List* Discussed privatized science funding and Felix Baumgartner’s Red Bull-funded space jump. October 21, 2012. Full interview audio at:

<http://www.abc.net.au/radionational/programs/commonknowledge/cke-21-oct/4323236>

### **JOURNAL EDITORSHIPS**

2016 –Special Issue of Social Sciences. With Jenny Davis, special issue on social media, internet, and society. Published by MDPI.

[http://www.mdpi.com/journal/socsci/special\\_issues/social\\_media\\_internet\\_and\\_society](http://www.mdpi.com/journal/socsci/special_issues/social_media_internet_and_society)

### **CAMPUS & DEPARTMENT TALKS**

2016 – “Preparing Your Social Media Accounts for the Job Market” Public Communication Workshop Series. November 17.

2016 – “Getting Your Research into the Popular Press” Public Communication Workshop Series. November 10.

2016 – “How to Write the Best Essay of Your Life” Public Communication Workshop Series. October 27

2015 – “Writing for A Public Audience.” Department Brownbag Series. September 25.

2013 – “Writing for A Popular Audience.” Department Brownbag Series. November 6.

### **SERVICE TO PROFESSION, & DEPARTMENT**

#### **(NO END DATE INDICATES ONGOING PARTICIPATION)**

2017 – Editor-at-Large, *Real Life Magazine*

2017 – Conference Organizing Committee Co-Chair *Theorizing the Web*

2016 – Manuscript Reviewer, *New Media and Society*

2016 - 2017 – Public Communication Consultant and Workshop Coordinator, RPI

2014 - 2016 Conference Organizing Committee Member, *Theorizing the Web*

2014 – Co-Editor of The Society Pages’ *Cyborgology* Blog.

2013 – 2014 Vasudha Living & Learning Program Coordinator.

2013 - 2014– Humanities, Arts, and Social Sciences Colloquium Committee Member

2011 - 2014– Regular contributor to The Society Pages' *Cyborgology* Blog.  
2011- 2013– Science & Technology Studies Department Colloquium Committee  
2007 - 2009– Ad Hoc Campus Master Plan Advisory Committee Member.  
2007 - 2008– New College Academic Master Planning Committee Member.

### **COMMUNITY INVOLVEMENT**

Rank and File Member, Troy Branch of the Democratic Socialists of America. (January 2017 – Present.)

Policy Advisor and Constituent Outreach Coordinator for the Working Families Party  
Troy Mayoral Candidate Rodney Wiltshire. (November, 2014 – November, 2015.)

### **PROFESSIONAL MEMBERSHIPS & AFFILIATIONS**

**New College Alumni Association Board of Directors Member.** (October, 2010 – October, 2013.)

**Society for the Social Studies of Science Member.** (September 2010 – August 2016)

**Society for the History of Technology.** (October 2018 – Present)